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ABSTRACT

Data on graduate science enrollment and support as of the Fall 1978 is reported. Surveys were sent to 418 schools--285 graduate schools and 133 medical colleges--which included 8,242 graduate departments. After a review of the survey background and the scope, response rates, and imputation effects, Section Two classifies each institution and reporting unit alphabetically by state. The major section presents the statistical tables, divided into two parts. Part A displays all comparable enrollment data from doctorate-granting institutions available for the period 1974 through 1978. Part B provides four special tables--two describe the number and characteristics of graduate departments included in the data tables, a third table ranks institutions in terms of the total graduate science and engineering enrollment in 1978, and the fourth table summarizes the institutional data by field and alphabetically by state. Statistics in Part A are further divided into full- and part-time enrollment, financial support, year in school, and public or private institution. (Author/PHR)

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academic science

graduate enrollment and support fall 1978

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detailed statistical tables

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general notes

This new format *Academic Science: Graduate Enrollment and Support* was formerly *Graduate Science Education: Student Support and Postdoctorals.*

The National Science Foundation (NSF) conducted its seventh annual Survey of Graduate Science Student Support (GSSS) in fall 1978. Coverage was limited to doctorate-granting institutions and data were collected on an abbreviated survey form. From 1972 to 1975, survey forms were sent to all graduate science and engineering (S/E) departments at Ph.D.-granting institutions, including their medical schools. The survey was expanded in 1976 and 1977 to include all S/E departments in institutions that grant a master's as the highest degree. In the future a full-scale survey will be directed to all graduate S/E departments at both master's- and doctorate-granting institutions on a biennial basis, using a shortened version of the questionnaire directed to doctorate institutions only in intervening years.

Section III, Statistical Tables, is divided into two parts: The "A" tables display all comparable enrollment data from doctorate-granting institutions available for the period 1974 through 1978; part B offers four special tables: Tables B-1 and B-2 describe the number and characteristics of graduate departments included in the data tables; table B-3 ranks institutions in terms of their total graduate S/E enrollment in 1978; and table B-4 summarizes the institutional data by field and alphabetically by State.

The universe for the 1978 survey included 8,242 graduate departments in 316 doctorate institutions. In all, 418 schools were surveyed—285 graduate schools and 133 medical schools.

The definition of an "institution" was expanded somewhat in 1978 to include all institutional components with graduate science enrollment such as branch campuses or schools of public health and medicine. Thus, if any component offers a Ph.D. in a S/E field or a first-professional degree in a health area, the institution is considered to be doctorate-granting. This change in definition added 35 reporting units to the data base in 1978; however, in order to provide a comparable basis for trend analysis from 1974 to 1978, data were converted to the doctorate format for any previous year's submission.

Of the 418 schools surveyed in fall 1978, 8 failed to respond. Data were imputed for the 92 S/E departments in these schools based on their prior-year's response. Within the responding institutions, an additional 67 departments had to be totally imputed and another 111 required partial imputation. Imputation rates are shown in table I-4 on page 3.

The number of items on the survey instrument was reduced this year in a continuing effort to lessen the Federal paperwork burden on universities and colleges; a copy may be found in section IV. Data were limited to sources of support of full-time graduate students and first-year totals for both full- and part-time enrollment.

The term "science" as used in the survey is understood to include engineering; the number of students receiving "institutional support" includes those supported by funds allocated to the institutions from State and local governments, as well as directly by the institutions themselves; and the category "other outside sources" includes support of students by private industry, nonprofit organizations, and all other U.S. or foreign sources.

Details shown in statistical tables may not add to totals because of rounding.

Requests for additional information concerning the survey findings should be addressed to Mrs. Susan G. Broyles, Universities and Nonprofit Institutions Studies Group, Division of Science Resources Studies, National Science Foundation, Washington, D.C. 20550, (202) 634-4673. Data tapes for 1978 and prior surveys may be purchased from:

Moshman Associates, Inc.
6400 Goldsboro Road
Washington, D.C. 20034
(301) 229-3000

section I

technical notes

survey background—establishing the universe

NSF has collected data annually on graduate science enrollment since 1967 when applications to its Graduate Traineeship Program required information on the types and sources of major support of graduate science students and postdoctorals. In 1972 a full-scale survey was introduced to include all institutions known to grant at least one doctoral degree in a S/E program. The survey was expanded again in 1973 as a result of the National Institutes of Health's (NIH) special interest in responses from the biomedical and clinical departments. A thorough search of all graduate school catalogs and institutional directories added 22 doctorate-granting institutions and approximately 1,000 departments to the 1973 universe. In order to examine all graduate science enrollment, the universe was again expanded during the 1976 survey year to include institutions granting a master's in science or engineering as the highest degree. During the 1978 survey year the concept of the institution as a reporting unit was changed. For each year prior to 1978, each reporting unit was considered a separate institution. This year the definition of an institution was revised to conform with the three other university-oriented surveys conducted by NSF.[1] Thus, for the 1978 survey year, the universe consisted of 418 *reporting units* which included all graduate S/E degree-granting campuses, medical schools, and schools of public health, etc., affiliated with the 316 institutions identified by NSF as granting a doctorate.

In response to the emphasis on reducing the Federal paperwork burden at the institution level, NSF began to conduct the full-scale Survey of Graduate Science Student Support and Postdoctorals (GSSSP) on a biennial basis beginning with the 1977 survey year. A short form requesting selected data items was sent to doctorate institutions only in the 1978 survey year and the results of this survey are shown in the detailed tables in section III.

Table I-1 shows the number of institutions, reporting units, and departments surveyed under the Graduate Traineeship Program from 1967 to 1971 and those covered by the GSSS from 1972 to 1978.

[1] These include: (1) The Survey of Federal Support to Universities, Colleges, and Selected Nonprofit Institutions; (2) The Survey of Scientific and Engineering Expenditures at Universities and Colleges; and (3) The Survey of Scientific and Engineering Personnel Employed at Universities and Colleges.

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Tables I-2 and I-3 indicate the extent of the expansion at both doctorate- and master's-granting institutions and include department and enrollment coverage since the survey series began. The addition to the universe of nearly 5,000 departments and 76,000 full-time students over the period 1972-78 resulted from several factors: (1) The universe for the first survey year 1972 was derived from the data base already in existence—the NSF Graduate Traineeship Program—with the addition of 78 reporting units that were known to grant at least one Ph.D. in science or engineering; (2) it was expanded again in 1973 to include all clinical and medical science departments in medical schools; (3) a special study of this 1973 universe through a review of graduate school catalogs revealed the names of additional science departments that had not been surveyed; these were added to the universe on a computer-generated form 811 for review by Survey Coordinators in response to the 1974 survey; (4) the expansion in 1976 to include an additional 1,400 departments in all science master's-granting institutions to the universe of all graduate S/E departments; and finally, (5) the inclusion of certain master's-granting campuses of doctorate institutions with their main campus data.

conduct of the 1978 survey

Fall 1978 was the first "short-form" survey conducted by NSF's Universities and Nonprofit Institutions Studies Group. The Survey of Graduate Science Student Support was limited to doctorate-granting institutions and their related branch campuses, medical schools and any other components enrolling graduate-level science students. The survey was mailed in early December 1978. A computer-produced survey form was generated for each reporting unit, listing all known graduate S/E departments. This form 812S was mailed to each Survey Coordinator in the graduate and medical

Table I-1. The NSF data collection series: 1967-78

Year of series	Number of institutions	Number of reporting units	Number of departments: Total	Number of departments: Master's	Number of departments: Doctorate
A. Graduate Traineeship Program					
1967	209	—	3,016	436	2,580
1968	219	—	3,190	454	2,736
1969	224	—	3,354	460	2,894
1970	227	—	3,544	473	3,071
1971	224	249	3,397	407	2,990
B. Survey of Graduate Science Student Support and Postdoctorals					
Doctorate institutions					
1972[1]	260	327	4,590	777	3,813
1973	264	338	6,559	870	5,689
1974	286	373	7,562	1,446	6,116
1975	285	374	7,732	1,521	6,211
1976	294	383	7,846	1,592	6,254
1977	301	393	8,084	1,729	6,355
1978	316	418	8,242	1,811	6,431
Master's institutions					
1975[2]	307	307	1,357	1,357	—
1976	308	308	1,365	1,365	—
1977	308	308	1,422	1,422	—
1978[3]	—	—	—	—	—

[1] Survey in 1972 included selected data items for 1971.
[2] The survey of master's institutions in 1976 included selected data items for 1975.
[3] Master's institutions were not surveyed in 1978.

SOURCE: National Science Foundation

Table I-2. Number of graduate departments and full-time enrollment at doctorate-granting institutions by area of science: 1972-78

Area of science	1972	1973	1974	1975	1976	1977	1978
	Number of departments						
Total, all areas	4,590	6,559	7,562	7,732	7,846	8,084	8,242
Engineering	867	919	1,008	1,015	1,015	1,021	1,020
Physical sciences	474	475	515	527	517	519	519
Environmental sciences	219	244	257	263	271	279	286
Mathematical sciences	324	340	374	387	396	400	413
Life sciences	1,706	3,502	4,077	4,185	4,238	4,405	4,508
Psychology	202	223	278	284	292	307	314
Social sciences	798	856	1,053	1,071	1,117	1,153	1,182
	Full-time enrollment						
Total, all areas	159,520	161,982	195,915	211,553	214,866	218,425	217,588
Engineering	32,154	31,278	33,691	37,112	36,414	36,797	37,129
Physical sciences	22,253	21,114	21,422	21,443	21,787	21,913	21,651
Environmental sciences	7,247	7,531	8,227	8,698	9,321	9,615	9,724
Mathematical sciences	13,273	12,925	13,423	13,862	14,310	13,797	13,706
Life sciences	36,751	41,148	54,800	59,492	61,739	64,188	65,097
Psychology	15,308	15,176	18,728	19,704	21,546	21,296	20,677
Social sciences	32,534	32,810	45,624	51,242	49,749	50,819	49,604

SOURCE: National Science Foundation

Table I-3. Number of graduate departments and full-time enrollment at master's-granting institutions by area of science: 1975-77[1]

Area of science	1975		1976		1977	
	Number of departments	Full-time enrollment	Number of departments	Full-time enrollment	Number of departments	Full-time enrollment
Total, all areas	1,357	16,044	1,365	16,356	1,422	18,200
Engineering	148	796	146	814	157	896
Physical sciences	179	611	175	594	175	695
Environmental sciences	44	447	46	276	46	324
Mathematical sciences .	158	1,003	158	1,063	166	881
Life sciences	307	3,948	313	4,427	331	4,441
Psychology	152	4,325	153	4,031	158	4,387
Social sciences	369	4,914	374	5,151	389	6,576

[1] Master's institutions were not surveyed in 1978.

SOURCE: National Science Foundation

schools in the universe along with a full set of instructions and copies of an optional departmental worksheet for use in completing the survey.

The Coordinators were requested to update the form 812S with any newly formed departments or to add those departments inadvertently omitted the previous year; to delete any departments no longer in existence; and to make note of any departmental name changes, merges, or splits. This updated form 812S thus became the basis for the 1978 universe. The departmental worksheet was distributed by the Coordinators to each department chairman for completion of data at the department level.

Upon completion, all forms were returned to a contractor for screening, computer processing, editing, and tabulation. The 1978 data were compared to the 1977 responses; errors in addition were flagged for correction; unusual growth patterns or omissions of self-supported students were marked "possible error," and form 812S facsimilies were returned to Coordinators for error resolution. Tabulations of the final results, including any changes resulting from the second departmental review, are in section III, the Statistical Tables.

Table I-4. Imputation for nonresponse at doctorate-granting institutions by area of science and enrollment status: 1978

Area of science	Number of graduate departments		Total in survey		Number imputed		Imputation rate	
	In universe	Imputed	Full time	Part time	Full time	Part time	Full time	Part time
Total, all areas	8,242	270	217,588	94,394	4,153	2,166	.019	.023
Engineering	1,020	31	37,129	29,074	787	426	.021	.015
Physical sciences	519	20	21,651	3,386	146	28	.007	.008
Environmental sciences	286	10	9,724	2,145	130	64	.013	.030
Mathematical sciences .	413	21	13,706	7,927	234	290	.017	.037
Life sciences	4,508	103	65,097	20,174	1,101	253	.017	.013
Psychology	314	14	20,677	7,243	402	154	.019	.021
Social sciences	1,182	71	49,604	24,445	1,353	951	.027	.039

SOURCE: National Science Foundation

response rates

Mailout of the fall 1978 survey was completed on December 15, 1978. All responses were requested by January 31, 1979; however, the survey was not closed out until June 29, 1979. At this time, a 97-percent institutional response rate was achieved among doctorate-granting institutions—only eight reporting units failed to respond.

Missing data were imputed based on the previous year's response for the 92 departments at the eight nonrespondent schools. In addition, another 67 departments required full imputation and 111 received partial imputation. Only six departments not responding to the 1978 survey were also nonrespondent in 1977 and thus were not included in the tabulations.

imputation and its effects

Of the 165 departments not responding to the 1978 survey, only 6, or .07 percent of the total, were also nonrespondents in 1977 and, thus, were not included in the tabulated data. For the remaining 159 departments, 1978 data were imputed based on their 1977 responses. When 90 percent of the respondent departments had been edited, early tabulations were produced to indicate rates of change in each field of science for selected characteristics of full- and part-time enrollment. These rates were then applied to each nonrespondent department's actual 1977 response in order to impute a 1978 response. For those 111 departments requiring partial imputation, data were computed using distribution characteristics shown in their 1977 response.

Table I-4 shows the relatively insignificant impact of imputation on the survey results.

section II

classification of institutions

doctorate-granting institutions in the 1978 survey

Institutions and their reporting units participating in the survey are presented alphabetically within each State for all doctorate-granting institutions accompanied by the classification code developed by the Carnegie Commission on Higher Education. This system as developed originally in 1971 included each campus of those institutions listed in the U.S. Office of Education's "Advance Report on Opening Fall Enrollment in Higher Education: Institutional Data, 1970." A revised listing was published in 1978 entitled "A Classification of Institutions of Higher Education: A report of the Carnegie Council on Policy Studies in Higher Education (Revised Edition)," and this listing reflects the updated version.

ALABAMA

1.2 AUBURN UNIVERSITY
  GRADUATE SCHOOL (MAIN CAMPUS)
  GRADUATE SCHOOL AT MONTGOMERY
1.3 THE UNIVERSITY OF ALABAMA
2.1 THE UNIVERSITY OF ALABAMA IN BIRMINGHAM
  GRADUATE SCHOOL
  SCHOOL OF MEDICINE
2.1 THE UNIVERSITY OF ALABAMA IN HUNTSVILLE
2.1 UNIVERSITY OF SOUTH ALABAMA
  COLLEGE OF MEDICINE
  GRADUATE SCHOOL

ALASKA

1.4 UNIVERSITY OF ALASKA AT FAIRBANKS

ARIZONA

1.3 ARIZONA STATE UNIVERSITY
2.1 NORTHERN ARIZONA UNIVERSITY
1.1 UNIVERSITY OF ARIZONA
  COLLEGE OF MEDICINE
  GRADUATE SCHOOL

ARKANSAS

1.2 UNIVERSITY OF ARKANSAS
5.2 UNIVERSITY OF ARKANSAS - MEDICAL SCIENCES CAMPUS

CALIFORNIA

2.1 BIOLA COLLEGE
1.1 CALIFORNIA INSTITUTE OF TECHNOLOGY
5.9 CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY - BERKELEY
5.9 CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY - FRESNO
5.9 CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY - LOS ANGELES
5.9 CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY - SAN DIEGO
1.2 CLAREMONT UNIVERSITY CENTER AND GRADUATE SCHOOL
5.2 DREW POST-GRADUATE MEDICAL SCHOOL
5.1 FULLER THEOLOGICAL SEMINARY
1.4 LOMA LINDA UNIVERSITY
  GRADUATE SCHOOL
  SCHOOL OF MEDICINE
5.9 RAND GRADUATE INSTITUTE OF POLICY STUDIES
2.1 SAN DIEGO STATE UNIVERSITY
1.1 STANFORD UNIVERSITY
  GRADUATE SCHOOL
  SCHOOL OF MEDICINE
5.9 THE WRIGHT INSTITUTE
1.4 UNITED STATES INTERNATIONAL UNIVERSITY
5.9 UNITED STATES NAVAL POSTGRADUATE SCHOOL
1.1 UNIVERSITY OF CALIFORNIA AT BERKELEY
1.1 UNIVERSITY OF CALIFORNIA AT DAVIS
  GRADUATE SCHOOL
  SCHOOL OF MEDICINE
1.2 UNIVERSITY OF CALIFORNIA AT IRVINE
  CALIFORNIA COLLEGE OF MEDICINE
  GRADUATE SCHOOL
1.1 UNIVERSITY OF CALIFORNIA AT LOS ANGELES
  GRADUATE SCHOOL
  SCHOOL OF MEDICINE
1.3 UNIVERSITY OF CALIFORNIA AT RIVERSIDE
1.1 UNIVERSITY OF CALIFORNIA AT SAN DIEGO
  GRADUATE SCHOOL
  SCHOOL OF MEDICINE
5.2 UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO - SCHOOL OF MEDICINE
1.3 UNIVERSITY OF CALIFORNIA AT SANTA BARBARA
1.3 UNIVERSITY OF CALIFORNIA AT SANTA CRUZ
2.2 UNIVERSITY OF SANTA CLARA
1.1 UNIVERSITY OF SOUTHERN CALIFORNIA
  GRADUATE SCHOOL
  SCHOOL OF MEDICINE
1.4 UNIVERSITY OF THE PACIFIC

COLORADO

5.4 COLORADO SCHOOL OF MINES
1.1 COLORADO STATE UNIVERSITY
1.1 UNIVERSITY OF COLORADO
GRADUATE SCHOOL AT BOULDER
GRADUATE SCHOOL AT COLORADO SPRINGS
GRADUATE SCHOOL AT DENVER
GRADUATE SCHOOL OF PUBLIC AFFAIRS
SCHOOL OF MEDICINE
1.3 UNIVERSITY OF DENVER
1.3 UNIVERSITY OF NORTHERN COLORADO

CONNECTICUT

1.2 UNIVERSITY OF CONNECTICUT
GRADUATE SCHOOL
SCHOOL OF MEDICINE
3.1 WESLEYAN UNIVERSITY
1.1 YALE UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE

DELAWARE

1.3 UNIVERSITY OF DELAWARE

DISTRICT OF COLUMBIA

1.3 AMERICAN UNIVERSITY
1.2 CATHOLIC UNIVERSITY OF AMERICA
1.2 GEORGE WASHINGTON UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE AND HEALTH SCIENCES
1.2 GEORGETOWN UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.2 HOWARD UNIVERSITY
COLLEGE OF MEDICINE
GRADUATE SCHOOL

FLORIDA

5.4 FLORIDA INSTITUTE OF TECHNOLOGY
1.2 FLORIDA STATE UNIVERSITY
2.1 NOVA UNIVERSITY
1.1 UNIVERSITY OF FLORIDA
COLLEGE OF MEDICINE
GRADUATE SCHOOL
1.1 UNIVERSITY OF MIAMI
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.4 UNIVERSITY OF SOUTH FLORIDA
COLLEGE OF MEDICINE
GRADUATE SCHOOL

GEORGIA

5.9 ATLANTA UNIVERSITY
1.2 EMORY UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.2 GEORGIA INSTITUTE OF TECHNOLOGY
1.3 GEORGIA STATE UNIVERSITY
5.2 MEDICAL COLLEGE OF GEORGIA
2.2 MERCER UNIVERSITY / SOUTHERN SCHOOL OF PHARMACY
1.1 UNIVERSITY OF GEORGIA

HAWAII

1.1 UNIVERSITY OF HAWAII AT MANOA
GRADUATE SCHOOL
JOHN A. BURNS SCHOOL OF MEDICINE

IDAHO

1.4 IDAHO STATE UNIVERSITY
1.3 UNIVERSITY OF IDAHO

ILLINOIS

5.2 CHICAGO COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY
2.1 DE PAUL UNIVERSITY
1.3 ILLINOIS INSTITUTE OF TECHNOLOGY
1.4 ILLINOIS STATE UNIVERSITY
1.3 LOYOLA UNIVERSITY OF CHICAGO
GRADUATE SCHOOL
STRITCH SCHOOL OF MEDICINE
1.3 NORTHERN ILLINOIS UNIVERSITY
1.1 NORTHWESTERN UNIVERSITY
GRADUATE SCHOOL
MEDICAL SCHOOL
5.2 RUSH UNIVERSITY
1.3 SOUTHERN ILLINOIS UNIVERSITY AT CARBONDALE
2.1 SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE
1.1 UNIVERSITY OF CHICAGO
GRADUATE SCHOOL
PRITZKER SCHOOL OF MEDICINE
5.2 UNIVERSITY OF HEALTH SCIENCES - CHICAGO MEDICAL SCHOOL
5.2 UNIVERSITY OF ILLINOIS MEDICAL CENTER - CHICAGO
1.3 UNIVERSITY OF ILLINOIS - CHICAGO CIRCLE
1.1 UNIVERSITY OF ILLINOIS - URBANA

INDIANA

1.3 BALL STATE UNIVERSITY
2.1 INDIANA STATE UNIVERSITY
1.2 INDIANA UNIVERSITY - BLOOMINGTON
2.1 INDIANA-PURDUE UNIVERSITY AT INDIANAPOLIS
1.1 PURDUE UNIVERSITY
CALUMET CAMPUS
GRADUATE SCHOOL (MAIN CAMPUS)
1.3 UNIVERSITY OF NOTRE DAME

IOWA

5.2 COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY
1.2 IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY
1.1 UNIVERSITY OF IOWA
COLLEGE OF MEDICINE
GRADUATE SCHOOL

KANSAS

1.2 KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE
1.2 UNIVERSITY OF KANSAS
GRADUATE SCHOOL
SCHOOL OF MEDICINE
2.1 WICHITA STATE UNIVERSITY

KENTUCKY

1.2 UNIVERSITY OF KENTUCKY
COLLEGE OF MEDICINE
GRADUATE SCHOOL
1.3 UNIVERSITY OF LOUISVILLE
GRADUATE SCHOOL
SCHOOL OF MEDICINE

LOUISIANA

1.2 LOUISIANA STATE UNIVERSITY SYSTEM
GRADUATE SCHOOL IN BATON ROUGE
MEDICAL CENTER AT NEW ORLEANS
SCHOOL OF MEDICINE IN SHREVEPORT
2.1 LOUISIANA TECH UNIVERSITY
2.1 NORTHEAST LOUISIANA UNIVERSITY
1.2 TULANE UNIVERSITY OF LOUISIANA
GRADUATE SCHOOL
SCHOOL OF MEDICINE
SCHOOL OF PUBLIC HEALTH AND TROPICAL MEDICINE
2.1 UNIVERSITY OF NEW ORLEANS
2.1 UNIVERSITY OF SOUTHWESTERN LOUISIANA

MAINE

1.3 UNIVERSITY OF MAINE AT ORONO

MARYLAND

1.1 JOHNS HOPKINS UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF HYGIENE AND PUBLIC HEALTH
SCHOOL OF MEDICINE
5.9 UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES
2.1 UNIVERSITY OF MARYLAND - BALTIMORE COUNTY
5.2 UNIVERSITY OF MARYLAND - BALTIMORE PROFESSIONAL SCHOOLS
1.1 UNIVERSITY OF MARYLAND - COLLEGE PARK

MASSACHUSETTS

1.3 BOSTON COLLEGE
1.1 BOSTON UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.2 BRANDEIS UNIVERSITY
1.4 CLARK UNIVERSITY
1.1 HARVARD UNIVERSITY
GRADUATE SCHOOL
HARVARD MEDICAL SCHOOL
SCHOOL OF PUBLIC HEALTH
5.3 MASSACHUSETTS COLLEGE OF PHARMACY
1.1 MASSACHUSETTS INSTITUTE OF TECHNOLOGY
1.3 NORTHEASTERN UNIVERSITY
3.1 SMITH COLLEGE
1.2 TUFTS UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
2.1 UNIVERSITY OF LOWELL
1.2 UNIVERSITY OF MASSACHUSETTS AT AMHERST
5.2 UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER
5.9 WOODS HOLE OCEANOGRAPHIC INSTITUTE
5.4 WORCESTER POLYTECHNIC INSTITUTE

MICHIGAN

2.1 CENTRAL MICHIGAN UNIVERSITY
1.1 MICHIGAN STATE UNIVERSITY
GRADUATE SCHOOL AND COLLEGE OF HUMAN MEDICINE
MICHIGAN COLLEGE OF OSTEOPATHIC MEDICINE
2.1 MICHIGAN TECHNOLOGICAL UNIVERSITY
2.1 OAKLAND UNIVERSITY
1.4 UNIVERSITY OF DETROIT
1.1 UNIVERSITY OF MICHIGAN
GRADUATE SCHOOL AT ANN ARBOR
GRADUATE SCHOOL AT DEARBORN
MEDICAL SCHOOL AT ANN ARBOR
1.2 WAYNE STATE UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.4 WESTERN MICHIGAN UNIVERSITY

MINNESOTA

1.1 UNIVERSITY OF MINNESOTA
DULUTH SCHOOL OF MEDICINE
GRADUATE SCHOOL AT DULUTH
GRADUATE SCHOOL AT MINNEAPOLIS
MAYO GRADUATE SCHOOL OF MEDICINE
MINNEAPOLIS MEDICAL SCHOOL

MISSISSIPPI

1.2 MISSISSIPPI STATE UNIVERSITY
1.3 UNIVERSITY OF MISSISSIPPI
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.3 UNIVERSITY OF SOUTHERN MISSISSIPPI

MISSOURI

5.2 KANSAS CITY COLLEGE OF OSTEOPATHIC MEDICINE
5.2 KIRKSVILLE COLLEGE OF OSTEOPATHIC MEDICINE
1.2 ST. LOUIS UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.1 UNIVERSITY OF MISSOURI - COLUMBIA
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.3 UNIVERSITY OF MISSOURI - KANSAS CITY
1.4 UNIVERSITY OF MISSOURI - ROLLA
2.1 UNIVERSITY OF MISSOURI - ST. LOUIS
1.1 WASHINGTON UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE

MONTANA

1.3 MONTANA STATE UNIVERSITY
1.3 UNIVERSITY OF MONTANA

NEBRASKA

2.1 CREIGHTON UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.2 UNIVERSITY OF NEBRASKA - LINCOLN
2.1 UNIVERSITY OF NEBRASKA - OMAHA
5.2 UNIVERSITY OF NEBRASKA MEDICAL CENTER

NEVADA

5.9 DESERT RESEARCH INSTITUTE
1.4 UNIVERSITY OF NEVADA AT RENO
GRADUATE SCHOOL
SCHOOL OF MEDICAL SCIENCES

NEW HAMPSHIRE

1.3 DARTMOUTH COLLEGE
GRADUATE SCHOOL
MEDICAL SCHOOL
1.3 UNIVERSITY OF NEW HAMPSHIRE

NEW JERSEY

5.2 COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY
GRADUATE SCHOOL OF BIOMEDICAL SCIENCES
RUTGERS MEDICAL SCHOOL
2.1 FAIRLEIGH DICKINSON UNIVERSITY
MADISON CAMPUS
RUTHERFORD CAMPUS
TEANECK CAMPUS
5.4 NEW JERSEY INSTITUTE OF TECHNOLOGY
5.2 NEW JERSEY SCHOOL OF OSTEOPATHIC MEDICINE
1.1 PRINCETON UNIVERSITY
1.2 RUTGERS THE STATE UNIVERSITY
GRADUATE SCHOOL AT NEW BRUNSWICK
GRADUATE SCHOOL AT NEWARK
2.1 SETON HALL UNIVERSITY
5.4 STEVENS INSTITUTE OF TECHNOLOGY

NEW MEXICO

5.4 NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
1.3 NEW MEXICO STATE UNIVERSITY
1.2 UNIVERSITY OF NEW MEXICO
GRADUATE SCHOOL
SCHOOL OF MEDICINE

NEW YORK

1.4 ADELPHI UNIVERSITY
5.2 ALBANY MEDICAL COLLEGE
2.2 ALFRED UNIVERSITY
5.4 CLARKSON COLLEGE OF TECHNOLOGY
1.1 COLUMBIA UNIVERSITY MAIN DIVISION
COLLEGE OF PHYSICIANS AND SURGEONS
GRADUATE SCHOOL
5.8 COLUMBIA UNIVERSITY TEACHERS COLLEGE
1.1 CORNELL UNIVERSITY
GRADUATE SCHOOL
GRADUATE SCHOOL OF MEDICAL SCIENCES
MEDICAL COLLEGE
1.2 CITY UNIVERSITY OF NEW YORK GRADUATE SCHOOL AND UNIVERSITY CENTER
5.2 CITY UNIVERSITY OF NEW YORK MOUNT SINAI SCHOOL OF MEDICINE
1.3 FORDHAM UNIVERSITY
1.4 HOFSTRA UNIVERSITY
2.1 LONG ISLAND UNIVERSITY
A & M SCHWARTZ COLLEGE OF PHARMACY AND HEALTH SCIENCES
BROOKLYN CENTER
C. W. POST CENTER
1.4 NEW SCHOOL FOR SOCIAL RESEARCH
5.2 NEW YORK COLLEGE OF OSTEOPATHIC MEDICINE
5.2 NEW YORK MEDICAL COLLEGE
1.1 NEW YORK UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.3 POLYTECHNIC INSTITUTE OF NEW YORK
1.3 RENSSELAER POLYTECHNIC INSTITUTE
5.9 ROCKEFELLER UNIVERSITY
2.1 ST. BONAVENTURE UNIVERSITY
1.3 ST. JOHN'S UNIVERSITY
1.3 STATE UNIVERSITY OF NEW YORK - ALBANY
1.3 STATE UNIVERSITY OF NEW YORK - BINGHAMTON
1.2 STATE UNIVERSITY OF NEW YORK - BUFFALO
GRADUATE SCHOOL
SCHOOL OF MEDICINE
5.9 STATE UNIVERSITY OF NEW YORK - COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
5.2 STATE UNIVERSITY OF NEW YORK - DOWNSTATE MEDICAL CENTER
1.2 STATE UNIVERSITY OF NEW YORK - STONY BROOK
GRADUATE SCHOOL
SCHOOL OF MEDICINE
5.2 STATE UNIVERSITY OF NEW YORK - UPSTATE MEDICAL CENTER
5.3 STATE UNIVERSITY OF NEW YORK STATE COLLEGE OF OPTOMETRY
1.2 SYRACUSE UNIVERSITY
2.2 UNION COLLEGE
1.1 UNIVERSITY OF ROCHESTER
GRADUATE SCHOOL
SCHOOL OF MEDICINE AND DENTISTRY
1.1 YESHIVA UNIVERSITY
ALBERT EINSTEIN COLLEGE OF MEDICINE
GRADUATE SCHOOL

NORTH CAROLINA

1.1 DUKE UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
2.1 EAST CAROLINA UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.1 NORTH CAROLINA STATE UNIVERSITY AT RALEIGH
1.1 UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.4 UNIVERSITY OF NORTH CAROLINA AT GREENSBORO
2.1 WAKE FOREST UNIVERSITY
BOWMAN GRAY SCHOOL OF MEDICINE
GRADUATE SCHOOL

NORTH DAKOTA

1.3 NORTH DAKOTA STATE UNIVERSITY
1.3 UNIVERSITY OF NORTH DAKOTA
GRADUATE SCHOOL
SCHOOL OF MEDICINE

OHIO

5.9 AIR FORCE INSTITUTE OF TECHNOLOGY
1.4 BOWLING GREEN STATE UNIVERSITY
1.1 CASE WESTERN RESERVE UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
2.1 CLEVELAND STATE UNIVERSITY
1.3 KENT STATE UNIVERSITY
5.2 MEDICAL COLLEGE OF OHIO AT TOLEDO
1.4 MIAMI UNIVERSITY
1.1 OHIO STATE UNIVERSITY
COLLEGE OF MEDICINE
GRADUATE SCHOOL
1.3 OHIO UNIVERSITY
COLLEGE OF OSTEOPATHIC MEDICINE
GRADUATE COLLEGE
6.0 UNION OF EXPERIMENTING COLLEGES AND UNIVERSITIES
1.4 UNIVERSITY OF AKRON
1.2 UNIVERSITY OF CINCINNATI
COLLEGE OF MEDICINE
GRADUATE SCHOOL
2.1 UNIVERSITY OF DAYTON
1.3 UNIVERSITY OF TOLEDO
2.1 WRIGHT STATE UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE

OKLAHOMA

5.2 OKLAHOMA COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY
1.2 OKLAHOMA STATE UNIVERSITY
1.2 UNIVERSITY OF OKLAHOMA - NORMAN

5.2 UNIVERSITY OF OKLAHOMA HEALTH SCIENCE CENTER
1.4 UNIVERSITY OF TULSA

OREGON

5.9 OREGON GRADUATE CENTER
1.1 OREGON STATE UNIVERSITY
2.1 PORTLAND STATE UNIVERSITY
1.2 UNIVERSITY OF OREGON
5.2 UNIVERSITY OF OREGON HEALTH SCIENCE CENTER

PENNSYLVANIA

3.1 BRYN MAWR COLLEGE
1.2 CARNEGIE-MELLON UNIVERSITY
2.1 DREXEL UNIVERSITY
2.1 DUQUESNE UNIVERSITY
5.2 HAHNEMANN MEDICAL COLLEGE AND HOSPITAL
1.3 LEHIGH UNIVERSITY
1.1 PENNSYLVANIA STATE UNIVERSITY
COLLEGE OF MEDICINE
GRADUATE SCHOOL
5.2 PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE
5.3 PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE
1.2 TEMPLE UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
5.2 THE MEDICAL COLLEGE OF PENNSYLVANIA
5.2 THOMAS JEFFERSON UNIVERSITY
1.1 UNIVERSITY OF PENNSYLVANIA
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.1 UNIVERSITY OF PITTSBURGH
GRADUATE SCHOOL
SCHOOL OF MEDICINE
2.1 VILLANOVA UNIVERSITY

RHODE ISLAND

1.2 BROWN UNIVERSITY
2.1 PROVIDENCE COLLEGE
1.3 UNIVERSITY OF RHODE ISLAND

SOUTH CAROLINA

1.3 CLEMSON UNIVERSITY
5.2 MEDICAL UNIVERSITY OF SOUTH CAROLINA
1.3 UNIVERSITY OF SOUTH CAROLINA
GRADUATE SCHOOL
MEDICAL SCHOOL

SOUTH DAKOTA

5.4 SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY
1.4 SOUTH DAKOTA STATE UNIVERSITY
1.4 UNIVERSITY OF SOUTH DAKOTA
GRADUATE SCHOOL
SCHOOL OF MEDICINE

TENNESSEE

2.1 EAST TENNESSEE STATE UNIVERSITY
COLLEGE OF MEDICINE
GRADUATE SCHOOL
1.3 GEORGE PEABODY COLLEGE FOR TEACHERS
5.2 MEHARRY MEDICAL COLLEGE
1.4 MEMPHIS STATE UNIVERSITY
2.1 TENNESSEE TECHNOLOGICAL UNIVERSITY
1.2 UNIVERSITY OF TENNESSEE AT KNOXVILLE
5.2 UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES
1.2 VANDERBILT UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE

TEXAS

5.3 BAYLOR COLLEGE OF DENTISTRY
5.2 BAYLOR COLLEGE OF MEDICINE
1.4 BAYLOR UNIVERSITY
1.4 EAST TEXAS STATE UNIVERSITY
2.1 LAMAR UNIVERSITY
1.4 NORTH TEXAS STATE UNIVERSITY
1.3 RICE UNIVERSITY
2.1 SAM HOUSTON STATE UNIVERSITY
1.3 SOUTHERN METHODIST UNIVERSITY
2.1 STEPHEN F. AUSTIN STATE UNIVERSITY
1.1 TEXAS A & M UNIVERSITY
1.4 TEXAS CHRISTIAN UNIVERSITY
5.2 TEXAS COLLEGE OF OSTEOPATHIC MEDICINE
1.3 TEXAS TECH UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.4 TEXAS WOMAN'S UNIVERSITY
2.2 UNIVERSITY OF DALLAS
1.3 UNIVERSITY OF HOUSTON
2.1 UNIVERSITY OF TEXAS AT ARLINGTON
1.1 UNIVERSITY OF TEXAS AT AUSTIN
5.9 UNIVERSITY OF TEXAS AT DALLAS
2.1 UNIVERSITY OF TEXAS AT EL PASO
5.2 UNIVERSITY OF TEXAS CANCER CENTER
5.2 UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS
5.3 UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON
5.2 UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER SAN ANTONIO
5.2 UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON

UTAH

1.3 BRIGHAM YOUNG UNIVERSITY
1.1 UNIVERSITY OF UTAH
COLLEGE OF MEDICINE
GRADUATE SCHOOL
1.2 UTAH STATE UNIVERSITY

VERMONT

1.2 UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE
COLLEGE OF MEDICINE
GRADUATE SCHOOL

VIRGINIA

1.4 COLLEGE OF WILLIAM AND MARY
5.2 EASTERN VIRGINIA MEDICAL SCHOOL
5.4 INSTITUTE OF TEXTILE TECHNOLOGY
2.1 OLD DOMINION UNIVERSITY
1.2 UNIVERSITY OF VIRGINIA
GRADUATE SCHOOL
SCHOOL OF MEDICINE
1.3 VIRGINIA COMMONWEALTH UNIVERSITY
GRADUATE SCHOOL
MEDICAL COLLEGE OF VIRGINIA
1.2 VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

WASHINGTON

1.1 UNIVERSITY OF WASHINGTON
GRADUATE SCHOOL
SCHOOL OF MEDICINE
SCHOOL OF PUBLIC HEALTH AND COMMUNITY MEDICINE
1.2 WASHINGTON STATE UNIVERSITY

WEST VIRGINIA

2.1 MARSHALL UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
5.2 WEST VIRGINIA SCHOOL OF OSTEOPATHIC MEDICINE
1.2 WEST VIRGINIA UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE

WISCONSIN

5.4 INSTITUTE OF PAPER CHEMISTRY
1.3 MARQUETTE UNIVERSITY
5.2 MEDICAL COLLEGE OF WISCONSIN
1.1 UNIVERSITY OF WISCONSIN - MADISON
GRADUATE SCHOOL
MEDICAL SCHOOL
1.3 UNIVERSITY OF WISCONSIN - MILWAUKEE

WYOMING

1.3 UNIVERSITY OF WYOMING

PUERTO RICO

2.1 CATHOLIC UNIVERSITY OF PUERTO RICO
GRADUATE SCHOOL
SCHOOL OF MEDICINE
2.1 UNIVERSITY OF PUERTO RICO - MAYAGUEZ
2.1 UNIVERSITY OF PUERTO RICO - RIO PIEDRAS
5.2 UNIVERSITY OF PUERTO RICO MEDICAL SCIENCE CAMPUS

section III

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TABLE A-1. GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	267,316	296,351	300,557	309,964	311,982	10.9	1.4	3.1	0.7
ENGINEERING	57,119	65,097	64,623	66,731	66,203	14.0	-.7	3.3	-.8
AERONAUTICAL	1,677	1,654	1,421	1,472	1,437	-1.4	-14.1	3.6	-2.4
AGRICULTURAL	585	676	775	808	857	15.6	14.6	4.3	6.1
BIOMEDICAL	781	877	890	839	890	12.3	1.5	-5.7	6.1
CHEMICAL	4,710	5,035	5,153	5,279	5,380	6.9	2.3	2.4	1.9
CIVIL	9,971	11,196	10,438	10,681	10,690	12.3	-6.8	2.3	.1
ELECTRICAL	15,387	15,662	15,255	16,394	16,359	1.8	-2.6	7.5	-.2
ENGINEERING SCIENCE	2,311	2,408	2,423	2,200	2,102	4.2	.6	-9.2	-4.5
INDUSTRIAL	6,950	11,830	11,926	12,035	11,354	70.2	.8	.9	-5.7
MECHANICAL	7,511	7,569	7,427	7,770	7,801	.8	-1.9	4.6	.4
METALLURGICAL/MATERIALS	2,295	2,437	2,445	2,540	2,536	6.2	.3	3.9	-.2
MINING	330	416	520	571	539	26.1	25.0	9.8	-5.6
NUCLEAR	1,491	1,637	1,611	1,496	1,447	9.8	-1.6	-7.1	-3.3
PETROLEUM	305	332	404	419	476	8.9	21.7	3.7	13.6
ENGINEERING, N.E.C.	2,815	3,368	3,935	4,227	4,335	19.6	16.8	7.4	2.6
PHYSICAL SCIENCES	24,748	24,784	25,254	25,260	25,037	.1	1.9	0	-.9
ASTRONOMY	623	621	585	543	529	-.3	-5.8	-7.2	-2.6
CHEMISTRY	13,759	14,084	14,478	14,665	14,759	2.4	2.8	1.3	.6
PHYSICS	10,170	9,891	9,906	9,759	9,452	-2.7	.2	-1.5	-3.1
PHYSICAL SCIENCES, N.E.C.	196	188	285	293	297	-4.1	51.6	2.8	1.4
ENVIRONMENTAL SCIENCES	9,980	10,704	11,366	11,863	11,869	7.3	6.2	4.4	.1
ATMOSPHERIC SCIENCES	1,015	997	996	986	945	-1.8	-.1	-1.0	-4.2
GEOSCIENCES	6,281	6,739	7,182	7,387	7,518	7.3	6.6	2.9	1.8
OCEANOGRAPHY	1,916	1,979	1,998	2,174	2,086	3.3	1.0	8.8	-4.0
ENVIRONMENTAL SCIENCES, N.E.C.	768	989	1,190	1,316	1,320	28.8	20.3	10.6	.3
MATHEMATICAL SCIENCES	20,324	21,145	21,634	21,014	21,633	4.0	2.3	-2.9	2.9
COMPUTER SCIENCE	6,343	7,075	7,583	7,671	8,697	11.5	7.2	1.2	13.4
MATHEMATICS AND APPLIED MATHEMATICS	12,358	12,234	12,181	11,500	11,165	-1.0	-.4	-5.6	-2.9
STATISTICS	1,623	1,836	1,870	1,843	1,771	13.1	1.9	-1.4	-3.9
LIFE SCIENCES	66,650	73,402	76,860	83,120	85,271	10.1	4.7	8.1	2.6
AGRICULTURAL SCIENCES	9,954	11,149	11,821	12,194	12,168	12.0	6.0	3.2	-.2
BIOLOGICAL SCIENCES	38,062	41,074	41,701	43,079	42,821	7.9	1.5	3.3	-.6
ANATOMY	1,060	1,088	1,120	1,167	1,143	2.6	2.9	4.2	-2.1
BIOCHEMISTRY	3,712	3,674	3,672	3,766	3,891	-1.0	-.1	2.6	3.3
BIOLOGY	9,883	11,723	11,836	11,851	11,121	18.6	1.0	.1	-6.2
BIOMETRY/EPIDEMIOLOGY	683	691	616	815	890	1.2	-10.9	32.3	9.2
BIOPHYSICS	689	800	695	643	578	16.1	-13.1	-7.5	-10.1
BOTANY	2,544	2,580	2,756	2,882	2,840	1.4	6.8	4.6	-1.5
CELL BIOLOGY	484	562	534	587	631	16.1	-5.0	9.9	7.5
ECOLOGY	554	724	826	897	929	30.7	14.1	8.6	3.6
ENTOMOLOGY/PARASITOLOGY	1,355	1,557	1,588	1,590	1,675	14.9	2.0	.1	5.3
GENETICS	784	817	836	957	943	4.2	2.3	14.5	-1.5
MICROBIOLOGY	3,796	3,868	3,985	4,088	3,956	1.9	3.0	2.6	-3.2
NUTRITION	2,519	2,543	2,818	3,407	3,562	1.0	10.8	20.9	4.5
PATHOLOGY	972	1,055	1,034	1,126	1,190	8.5	-2.0	8.9	5.7
PHARMACOLOGY	1,429	1,617	1,700	1,758	1,889	13.2	5.1	3.4	7.5
PHYSIOLOGY	2,343	2,345	2,237	2,158	2,245	.1	-4.6	-3.5	4.0
ZOOLOGY	3,526	3,520	3,286	3,051	2,973	-.2	-6.6	-7.2	-2.6
BIOSCIENCES, N.E.C.	1,729	1,910	2,162	2,336	2,365	10.5	13.2	8.0	1.2
HEALTH SCIENCES	18,634	21,179	23,338	27,847	30,282	13.7	10.2	19.3	8.7
ANESTHESIOLOGY	59	55	5	5	10	-6.8	-90.9	.0	100.0
CARDIOLOGY	47	23	2	5	3	-51.1	-91.3	150.0	-40.0
CLINICAL PHARMACOLOGY	3	4	24	5	8	33.3	500.0	-79.2	60.0
DENTISTRY	991	1,321	1,227	1,312	1,323	33.3	-7.1	6.9	.8
ENDOCRINOLOGY	31	42	37	38	36	35.5	-11.9	2.7	-5.3
GASTROENTEROLOGY	47	15	8	8	5	-68.1	-46.7	.0	-37.5
HEMATOLOGY	22	3	4	5	8	-86.4	33.3	25.0	60.0
NEUROLOGY	148	196	169	182	191	32.4	-13.8	7.7	4.9
NURSING	3,829	4,735	6,589	9,963	10,817	23.7	39.2	51.2	8.6
OBSTETRICS/GYNECOLOGY	70	53	59	27	26	-24.3	11.3	-54.2	-3.7
OPHTHALMOLOGY	45	30	13	16	3	-33.3	-56.7	23.1	-81.3
OTORHINOLARYNGOLOGY	69	54	68	57	46	-21.7	25.9	-16.2	-19.3
PEDIATRICS	149	138	153	91	87	-7.4	10.9	-40.5	-4.4
PHARMACEUTICAL SCIENCES	2,078	2,313	2,213	2,484	2,511	11.3	-4.3	12.2	1.1
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,986	3,572	4,038	4,127	4,661	19.6	13.0	2.2	12.9
PSYCHIATRY	297	227	181	177	172	-23.6	-20.3	-2.2	-2.8
PULMONARY DISEASE	47	7	0	3	10	-85.1	-100.0	**	233.3
RADIOLOGY	284	305	211	258	226	7.4	-30.8	22.3	-12.4
SPEECH PATH/AUDIOLOGY	3,709	4,730	4,534	4,858	5,167	27.5	-4.1	7.1	6.4
SURGERY	139	125	119	101	91	-10.1	-4.8	-15.1	-9.9
VETERINARY SCIENCES	658	700	768	866	866	6.4	9.7	12.8	.0
CLINICAL MEDICINE, N.E.C.	1,277	433	417	614	630	-66.1	-3.7	47.2	2.6
HEALTH RELATED, N.E.C.	1,649	2,098	2,499	2,645	3,385	27.2	19.1	5.8	28.0
PSYCHOLOGY	24,735	26,983	28,345	28,294	27,920	9.1	5.0	-.2	-1.3
SOCIAL SCIENCES	63,760	74,236	72,475	73,682	74,049	16.4	-2.4	1.7	.5
AGRICULTURAL ECONOMICS	1,770	2,148	2,195	2,232	2,253	21.4	2.2	1.7	.9
ANTHROPOLOGY	5,705	6,179	6,199	6,183	5,886	8.3	.3	-.3	-4.8
ECONOMICS (EXCEPT AGRICULTURAL)	10,122	11,159	10,631	10,892	10,976	10.2	-4.7	2.5	.8
GEOGRAPHY	2,779	2,939	3,019	2,864	2,782	5.8	2.7	-5.1	-2.9
HISTORY AND PHILOSOPHY OF SCIENCE	287	303	322	300	281	5.6	6.3	-6.8	-6.3
LINGUISTICS	3,163	3,888	3,971	3,981	3,832	22.9	2.1	.3	-3.7
POLITICAL SCIENCE	17,234	21,767	20,968	21,052	21,420	26.2	-3.6	.4	1.7
SOCIOLOGY	11,355	12,043	11,350	10,456	9,997	6.1	-5.8	-7.9	-4.4
SOCIOLOGY/ANTHROPOLOGY	1,410	1,635	1,361	1,369	1,180	16.0	-16.8	.6	-13.8
SOCIAL SCIENCES, N.E.C.	9,935	12,195	12,459	14,353	15,442	22.7	2.2	15.2	7.6

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-2. GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	186,784	204,576	206,778	210,856	212,557	9.5	1.1	2.0	0.8
ENGINEERING	35,920	38,958	38,730	39,472	39,407	8.5	-.6	1.9	-.2
AERONAUTICAL	1,220	1,194	1,064	1,068	1,041	-2.1	-10.9	.4	-2.5
AGRICULTURAL	548	640	742	772	817	16.8	15.9	4.0	5.8
BIOMEDICAL	345	408	466	408	434	18.3	14.2	-12.4	6.4
CHEMICAL	3,189	3,488	3,446	3,540	3,591	9.4	-1.2	2.7	1.4
CIVIL	6,764	7,394	7,065	7,345	7,395	9.3	-4.4	4.0	.7
ELECTRICAL	8,591	8,923	8,684	9,151	8,922	3.9	-2.7	5.4	-2.5
ENGINEERING SCIENCE	1,797	2,014	2,042	1,806	1,716	12.1	1.4	-11.6	-5.0
INDUSTRIAL	3,674	4,422	4,487	4,641	4,608	20.4	1.5	3.4	-.7
MECHANICAL	4,820	4,996	4,835	4,755	4,942	3.7	-3.2	-1.7	3.9
METALLURGICAL/MATERIALS	1,324	1,427	1,449	1,508	1,515	7.8	1.5	4.1	.5
MINING	261	334	426	485	452	28.0	27.5	13.8	-6.8
NUCLEAR	1,031	1,154	1,187	1,109	1,058	11.9	2.9	-6.6	-4.6
PETROLEUM	153	185	254	268	311	20.9	37.3	5.5	16.0
ENGINEERING, N.E.C.	2,203	2,379	2,583	2,616	2,605	8.0	8.6	1.3	-.4
PHYSICAL SCIENCES	16,887	17,094	17,318	17,276	17,244	1.2	1.3	-.2	-.2
ASTRONOMY	452	432	395	361	356	-4.4	-8.6	-8.6	-1.4
CHEMISTRY	9,699	9,977	10,279	10,346	10,456	2.9	3.0	.7	1.1
PHYSICS	6,600	6,579	6,548	6,463	6,325	-.3	-.5	-1.3	-2.1
PHYSICAL SCIENCES, N.E.C.	136	106	96	106	107	-22.1	-9.4	10.4	.9
ENVIRONMENTAL SCIENCES	7,743	8,477	8,999	9,461	9,448	9.5	6.2	5.1	-.1
ATMOSPHERIC SCIENCES	850	909	922	923	892	6.9	1.4	.1	-3.4
GEOSCIENCES	4,829	5,185	5,612	5,846	5,990	7.4	8.2	4.2	2.5
OCEANOGRAPHY	1,412	1,508	1,534	1,613	1,525	6.8	1.7	5.1	-5.5
ENVIRONMENTAL SCIENCES, N.E.C.	652	875	931	1,079	1,041	34.2	6.4	15.9	-3.5
MATHEMATICAL SCIENCES	14,792	15,652	15,996	15,152	15,476	5.8	2.2	-5.3	2.1
COMPUTER SCIENCE	4,896	5,460	5,882	5,607	6,084	11.5	7.7	-4.7	8.5
MATHEMATICS AND APPLIED MATHEMATICS	8,598	8,719	8,606	8,030	7,522	1.4	-1.3	-6.7	-1.3
STATISTICS	1,298	1,473	1,508	1,515	1,470	13.5	2.4	.5	-3.0
LIFE SCIENCES	52,165	57,784	60,290	63,646	65,174	10.8	4.3	5.6	2.4
AGRICULTURAL SCIENCES	9,685	10,858	11,529	11,891	11,857	12.1	6.2	3.1	-.3
BIOLOGICAL SCIENCES	28,100	30,271	30,750	31,641	31,652	7.7	1.6	2.9	*
ANATOMY	701	741	765	784	769	5.7	3.2	2.5	-1.9
BIOCHEMISTRY	2,557	2,579	2,591	2,643	2,663	.9	.5	2.0	.8
BIOLOGY	6,183	7,275	7,409	7,412	7,141	17.7	1.8	*	-3.7
BIOMETRY/EPIDEMIOLOGY	427	483	413	559	634	13.1	-14.5	35.4	13.4
BIOPHYSICS	421	482	372	333	326	14.5	-22.8	-10.5	-2.1
BOTANY	2,343	2,371	2,544	2,676	2,607	1.2	7.3	5.2	-2.6
CELL BIOLOGY	262	301	327	378	405	14.9	8.6	15.6	7.1
ECOLOGY	495	664	759	839	869	34.1	14.3	10.5	3.6
ENTOMOLOGY/PARASITOLOGY	1,283	1,484	1,525	1,530	1,602	15.7	2.8	.3	4.7
GENETICS	643	632	642	728	718	-1.7	1.6	13.4	-1.4
MICROBIOLOGY	3,018	3,039	3,076	3,114	3,031	.7	1.2	1.2	-2.7
NUTRITION	2,042	2,028	2,232	2,695	2,857	-.7	10.1	20.7	6.0
PATHOLOGY	620	727	667	732	757	17.3	-8.3	9.7	3.4
PHARMACOLOGY	967	1,121	1,140	1,136	1,202	15.9	1.7	-.4	5.8
PHYSIOLOGY	1,664	1,704	1,604	1,545	1,596	2.4	-5.9	-3.7	3.3
ZOOLOGY	3,293	3,318	3,103	2,872	2,761	.8	-6.5	-7.4	-3.9
BIOSCIENCES, N.E.C.	1,181	1,322	1,581	1,665	1,714	11.9	19.6	5.3	2.9
HEALTH SCIENCES	14,380	16,655	18,011	20,114	21,665	15.8	8.1	11.7	7.7
ANESTHESIOLOGY	12	14	5	2	3	16.7	-64.3	-60.0	50.0
CARDIOLOGY	20	20	2	2	2	.0	-90.0	.0	.0
CLINICAL PHARMACOLOGY	2	4	24	5	3	100.0	500.0	-79.2	-40.0
DENTISTRY	612	804	804	859	875	31.4	.0	6.8	1.9
ENDOCRINOLOGY	28	41	34	33	33	46.4	-17.1	-2.9	.0
GASTROENTEROLOGY	39	11	8	8	5	-71.8	-27.3	.0	-37.5
HEMATOLOGY	21	3	3	1	3	-85.7	.0	-66.7	200.0
NEUROLOGY	54	61	53	73	81	13.0	-13.1	37.7	11.0
NURSING	3,492	4,268	5,381	6,943	7,763	22.2	26.1	29.0	11.8
OBSTETRICS/GYNECOLOGY	63	45	42	17	17	-28.6	-6.7	-59.5	.0
OPHTHALMOLOGY	24	11	7	13	2	-54.2	-36.4	85.7	-84.6
OTORHINOLARYNGOLOGY	44	40	52	31	31	-9.1	30.0	-40.4	.0
PEDIATRICS	120	116	137	69	64	-3.3	18.1	-49.6	-7.2
PHARMACEUTICAL SCIENCES	1,436	1,477	1,488	1,596	1,592	2.9	.7	7.3	-.3
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,385	2,751	3,130	3,071	3,436	15.3	13.8	-1.9	11.9
PSYCHIATRY	176	108	86	96	105	-38.6	-20.4	11.6	9.4
PULMONARY DISEASE	24	5	0	3	9	-79.2	-100.0	**	200.0
RADIOLOGY	251	284	197	245	215	13.1	-30.6	24.4	-12.2
SPEECH PATH/AUDIOLOGY	3,113	4,067	3,922	4,282	4,493	30.6	-3.6	9.2	4.9
SURGERY	127	104	84	68	70	-18.1	-19.2	-19.0	2.9
VETERINARY SCIENCES	619	649	715	802	804	4.8	10.2	12.2	.2
CLINICAL MEDICINE, N.E.C.	576	292	278	364	363	-49.3	-4.8	30.9	-.3
HEALTH RELATED, N.E.C.	1,142	1,480	1,559	1,531	1,696	29.6	5.3	-1.8	10.8
PSYCHOLOGY	15,700	16,968	16,888	16,731	16,312	8.1	-.5	-.9	-2.5
SOCIAL SCIENCES	43,577	49,643	48,557	49,118	49,496	13.9	-2.2	1.2	.8
AGRICULTURAL ECONOMICS	1,628	2,030	2,078	2,117	2,128	24.7	2.4	1.9	.5
ANTHROPOLOGY	3,977	4,293	4,513	4,455	4,273	7.9	5.1	-1.3	-4.1
ECONOMICS (EXCEPT AGRICULTURAL)	6,012	6,709	6,589	6,521	6,727	11.6	-1.8	-1.0	3.2
GEOGRAPHY	2,484	2,613	2,735	2,599	2,501	5.2	4.7	-5.0	-3.8
HISTORY AND PHILOSOPHY OF SCIENCE	152	150	164	163	153	-1.3	9.3	-.6	-6.1
LINGUISTICS	2,301	2,547	2,690	2,837	2,765	10.7	5.6	5.5	-2.5
POLITICAL SCIENCE	10,560	12,467	11,589	11,803	11,748	18.1	-7.0	1.8	-.5
SOCIOLOGY	8,358	9,053	8,334	7,610	7,516	8.3	-7.9	-8.7	-1.2
SOCIOLOGY/ANTHROPOLOGY	898	1,128	817	750	602	25.6	-27.6	-8.2	-19.7
SOCIAL SCIENCES, N.E.C.	7,207	8,653	9,048	10,263	11,083	20.1	4.6	13.4	8.0

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-3. GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	80,532	91,775	93,779	99,108	99,425	14.0	2.2	5.7	0.3
ENGINEERING	21,199	26,139	25,893	27,259	26,796	23.3	-.9	5.3	-1.7
AERONAUTICAL	457	460	357	404	396	.7	-22.4	13.2	-2.0
AGRICULTURAL	37	36	33	36	40	-2.7	-8.3	9.1	11.1
BIOMEDICAL	436	469	424	431	456	7.6	-9.6	1.7	5.8
CHEMICAL	1,521	1,547	1,707	1,739	1,789	1.7	10.3	1.9	2.9
CIVIL	3,207	3,802	3,373	3,336	3,295	18.6	-11.3	-1.1	-1.2
ELECTRICAL	6,796	6,739	6,571	7,243	7,437	-.8	-2.5	10.2	2.7
ENGINEERING SCIENCE	514	394	381	394	386	-23.3	-3.3	3.4	-2.0
INDUSTRIAL	3,276	7,408	7,439	7,394	6,746	126.1	.4	-.6	-8.8
MECHANICAL	2,691	2,573	2,592	3,015	2,859	-4.4	.7	16.3	-5.2
METALLURGICAL/MATERIALS	971	1,010	996	1,032	1,021	4.0	-1.4	3.6	-1.1
MINING	69	82	94	86	87	18.8	14.6	-8.5	1.2
NUCLEAR	460	483	424	387	389	5.0	-12.2	-8.7	.5
PETROLEUM	152	147	150	151	165	-3.3	2.0	.7	9.3
ENGINEERING, N.E.C.	612	989	1,352	1,611	1,730	61.6	36.7	19.2	7.4
PHYSICAL SCIENCES	7,861	7,690	7,936	7,984	7,793	-2.2	3.2	.6	-2.4
ASTRONOMY	171	189	190	182	173	10.5	.5	-4.2	-4.9
CHEMISTRY	4,060	4,107	4,199	4,319	4,303	1.2	2.2	2.9	-.4
PHYSICS	3,570	3,312	3,358	3,296	3,127	-7.2	1.4	-1.8	-5.1
PHYSICAL SCIENCES, N.E.C.	60	82	189	187	190	36.7	130.5	-1.1	1.6
ENVIRONMENTAL SCIENCES	2,237	2,227	2,367	2,402	2,421	-.4	6.3	1.5	.8
ATMOSPHERIC SCIENCES	165	88	74	63	53	-46.7	-15.9	-14.9	-15.9
GEOSCIENCES	1,452	1,554	1,570	1,541	1,528	7.0	1.0	-1.8	-.8
OCEANOGRAPHY	504	471	464	561	561	-6.5	-1.5	20.9	.0
ENVIRONMENTAL SCIENCES, N.E.C.	116	114	259	237	279	-1.7	127.2	-8.5	17.7
MATHEMATICAL SCIENCES	5,532	5,493	5,638	5,862	6,157	-.7	2.6	4.0	5.0
COMPUTER SCIENCE	1,447	1,615	1,701	2,064	2,613	11.6	5.3	21.3	26.6
MATHEMATICS AND APPLIED MATHEMATICS	3,760	3,515	3,575	3,470	3,243	-6.5	1.7	-2.9	-6.5
STATISTICS	325	363	362	328	301	11.7	-.3	-9.4	-8.2
LIFE SCIENCES	14,485	15,618	16,570	19,474	20,097	7.8	6.1	17.5	3.2
AGRICULTURAL SCIENCES	269	291	292	303	311	8.2	.3	3.8	2.6
BIOLOGICAL SCIENCES	9,962	10,803	10,951	11,438	11,169	8.4	1.4	4.4	-2.4
ANATOMY	359	347	355	383	374	-3.3	2.3	7.9	-2.3
BIOCHEMISTRY	1,155	1,095	1,081	1,123	1,228	-5.2	-1.3	3.9	9.3
BIOLOGY	3,700	4,448	4,427	4,439	3,980	20.2	-.5	.3	-10.3
BIOMETRY/EPIDEMIOLOGY	256	208	203	256	256	-18.8	-2.4	26.1	.0
BIOPHYSICS	268	318	323	310	252	18.7	1.6	-4.0	-18.7
BOTANY	201	209	212	206	233	4.0	1.4	-2.8	13.1
CELL BIOLOGY	222	261	207	209	226	17.6	-20.7	1.0	8.1
ECOLOGY	59	60	67	58	60	1.7	11.7	-13.4	3.4
ENTOMOLOGY/PARASITOLOGY	72	73	63	60	73	1.4	-13.7	-4.8	21.7
GENETICS	141	185	194	229	225	31.2	4.9	18.0	-1.7
MICROBIOLOGY	778	829	909	974	925	6.6	9.7	7.2	-5.0
NUTRITION	477	515	586	712	705	8.0	13.8	21.5	-1.0
PATHOLOGY	352	328	367	394	433	-6.8	11.9	7.4	9.9
PHARMACOLOGY	462	496	560	622	687	7.4	12.9	11.1	10.5
PHYSIOLOGY	679	641	633	613	649	-5.6	-1.2	-3.2	5.9
ZOOLOGY	233	202	183	179	212	-13.3	-9.4	-2.2	18.4
BIOSCIENCES, N.E.C.	548	588	581	671	651	7.3	-1.2	15.5	-3.0
HEALTH SCIENCES	4,254	4,524	5,327	7,733	8,617	6.3	17.7	45.2	11.4
ANESTHESIOLOGY	47	41	0	3	7	-12.8	-100.0	**	133.3
CARDIOLOGY	27	3	0	3	1	-88.9	-100.0	**	-66.7
CLINICAL PHARMACOLOGY	1	0	0	0	5	-100.0	**	**	**
DENTISTRY	379	517	423	453	448	36.4	-18.2	7.1	-1.1
ENDOCRINOLOGY	3	1	3	9	3	-66.7	200.0	66.7	-40.0
GASTROENTEROLOGY	8	4	0	0	0	-50.0	-100.0	**	**
HEMATOLOGY	1	0	1	4	5	-100.0	**	300.0	25.0
NEUROLOGY	94	135	116	109	110	43.6	-14.1	-6.0	.9
NURSING	337	467	1,208	3,020	3,054	38.6	158.7	150.0	1.1
OBSTETRICS/GYNECOLOGY	7	8	17	10	9	14.3	112.5	-41.2	-10.0
OPHTHALMOLOGY	21	19	6	3	1	-9.5	-68.4	-50.0	-66.7
OTORHINOLARYNGOLOGY	25	14	16	26	15	-44.0	14.3	62.5	-42.3
PEDIATRICS	29	22	16	22	23	-24.1	-27.3	37.5	4.5
PHARMACEUTICAL SCIENCES	642	836	725	888	919	30.2	-13.3	22.5	3.5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	601	821	908	1,056	1,225	36.6	10.6	16.3	16.0
PSYCHIATRY	121	119	95	81	67	-1.7	-20.2	-14.7	-17.3
PULMONARY DISEASE	23	2	0	0	1	-91.3	-100.0	**	**
RADIOLOGY	33	21	14	13	11	-36.4	-33.3	-7.1	-15.4
SPEECH PATH/AUDIOLOGY	596	663	612	576	674	11.2	-7.7	-5.9	17.0
SURGERY	12	21	35	33	21	75.0	66.7	-5.7	-36.4
VETERINARY SCIENCES	39	51	53	64	62	30.8	3.9	20.8	-3.1
CLINICAL MEDICINE, N.E.C.	701	141	139	250	267	-79.9	-1.4	79.9	6.8
HEALTH RELATED, N.E.C.	507	618	940	1,114	1,689	21.9	52.1	18.5	51.6
PSYCHOLOGY	9,035	10,015	11,457	11,563	11,608	10.8	14.4	.9	.4
SOCIAL SCIENCES	20,183	24,593	23,918	24,564	24,553	21.9	-2.7	2.7	*
AGRICULTURAL ECONOMICS	142	118	117	115	125	-16.9	-.8	-1.7	8.7
ANTHROPOLOGY	1,728	1,886	1,686	1,728	1,613	9.1	-10.6	2.5	-6.7
ECONOMICS (EXCEPT AGRICULTURAL)	4,110	4,450	4,042	4,371	4,249	8.3	-9.2	8.1	-2.8
GEOGRAPHY	295	326	284	265	281	10.5	-12.9	-6.7	6.0
HISTORY AND PHILOSOPHY OF SCIENCE	135	153	158	137	128	13.3	3.3	-13.3	-6.6
LINGUISTICS	862	1,341	1,281	1,144	1,067	55.6	-4.5	-10.7	-6.7
POLITICAL SCIENCE	6,674	9,280	9,379	9,249	9,672	39.0	1.1	-1.4	4.6
SOCIOLOGY	2,997	2,990	3,016	2,846	2,481	-.2	.9	-5.6	-12.8
SOCIOLOGY/ANTHROPOLOGY	512	507	544	619	578	-1.0	7.3	13.8	-6.6
SOCIAL SCIENCES, N.E.C.	2,728	3,542	3,411	4,090	4,359	29.8	-3.7	19.9	6.6

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-4. FIRST-YEAR GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	102,618	113,205	109,761	115,635	106,719	10.3	-3.0	5.4	-7.7
ENGINEERING	25,078	29,314	27,745	28,882	25,342	16.9	-5.4	4.1	-12.3
AERONAUTICAL	554	641	485	535	509	15.7	-24.3	10.3	-4.9
AGRICULTURAL	223	287	305	305	284	28.7	6.3	.0	-6.9
BIOMEDICAL	318	295	327	275	297	-7.2	10.8	-15.9	8.0
CHEMICAL	1,860	1,981	2,025	2,209	1,966	6.5	2.2	9.1	-11.0
CIVIL	4,741	4,997	4,550	4,624	3,958	5.4	-8.9	1.6	-14.4
ELECTRICAL	7,129	7,189	6,724	7,676	6,702	.8	-6.5	14.2	-12.7
ENGINEERING SCIENCE	864	807	881	699	602	-6.6	9.2	-20.7	-13.9
INDUSTRIAL	3,002	6,403	5,895	5,932	5,029	113.3	-7.9	.6	-15.2
MECHANICAL	3,421	3,311	3,162	3,263	2,912	-3.2	-4.5	3.2	-10.8
METALLURGICAL/MATERIALS	716	710	690	755	730	-.8	-2.8	9.4	-3.3
MINING	133	180	234	205	168	35.3	30.0	-12.4	-18.0
NUCLEAR	676	721	515	469	437	6.7	-28.6	-8.9	-6.8
PETROLEUM	106	123	193	162	147	16.0	56.9	-16.1	-9.3
ENGINEERING, N.E.C.	1,335	1,669	1,759	1,773	1,601	25.0	5.4	.8	-9.7
PHYSICAL SCIENCES	6,908	7,030	7,102	7,171	6,779	1.8	1.0	1.0	-5.5
ASTRONOMY	135	121	119	136	112	-10.4	-1.7	14.3	-17.6
CHEMISTRY	4,011	4,204	4,342	4,342	4,128	4.8	3.3	.0	-4.9
PHYSICS	2,653	2,603	2,546	2,555	2,407	-1.9	-2.2	.4	-5.8
PHYSICAL SCIENCES, N.E.C.	109	102	95	138	132	-6.4	-6.9	45.3	-4.3
ENVIRONMENTAL SCIENCES	3,396	3,708	3,718	3,840	3,586	9.2	.3	3.3	-6.6
ATMOSPHERIC SCIENCES	335	353	325	333	289	5.4	-7.9	2.5	-13.2
GEOSCIENCES	2,082	2,320	2,334	2,341	2,158	11.4	.6	.3	-7.8
OCEANOGRAPHY	577	563	538	626	604	-2.4	-4.4	16.4	-3.5
ENVIRONMENTAL SCIENCES, N.E.C.	402	472	521	540	535	17.4	10.4	3.6	-.9
MATHEMATICAL SCIENCES	8,122	8,615	8,084	8,184	7,964	6.1	-6.2	1.2	-2.7
COMPUTER SCIENCE	2,841	3,317	3,097	3,330	3,508	16.8	-6.6	7.5	5.3
MATHEMATICS AND APPLIED MATHEMATICS	4,750	4,659	4,387	4,309	3,940	-1.9	-5.8	-1.8	-8.6
STATISTICS	531	639	600	545	516	20.3	-6.1	-9.2	-5.3
LIFE SCIENCES	26,636	28,513	29,214	31,648	29,601	7.0	2.5	8.3	-6.5
AGRICULTURAL SCIENCES	3,896	4,329	4,489	4,427	3,826	11.1	3.7	-1.4	-13.6
BIOLOGICAL SCIENCES	12,739	13,433	13,070	13,180	11,963	5.4	-2.7	.8	-9.2
ANATOMY	342	322	307	289	252	-5.8	-4.7	-5.9	-12.8
BIOCHEMISTRY	1,061	1,051	996	989	928	-.9	-5.2	-.7	-6.2
BIOLOGY	3,584	4,174	4,167	4,042	3,355	16.5	-.2	-3.0	-17.0
BIOMETRY/EPIDEMIOLOGY	281	252	221	257	308	-10.3	-12.3	16.3	19.8
BIOPHYSICS	167	207	141	131	107	24.0	-31.9	-7.1	-18.3
BOTANY	755	736	837	793	718	-2.5	13.7	-5.3	-9.5
CELL BIOLOGY	109	183	132	159	157	67.9	-27.9	20.5	-1.3
ECOLOGY	174	220	205	203	205	26.4	-6.8	-1.0	1.0
ENTOMOLOGY/PARASITOLOGY	346	526	456	451	432	52.0	-13.3	-1.1	-4.2
GENETICS	226	246	240	268	228	8.8	-2.4	11.7	-14.9
MICROBIOLOGY	1,288	1,208	1,163	1,189	994	-6.2	-3.7	2.2	-16.4
NUTRITION	1,110	1,069	1,104	1,377	1,259	-3.7	3.3	24.7	-8.6
PATHOLOGY	353	332	310	340	332	-5.9	-6.6	9.7	-2.4
PHARMACOLOGY	478	493	470	440	483	3.1	-4.7	-6.4	9.8
PHYSIOLOGY	810	735	619	633	632	-9.3	-15.8	2.3	-.2
ZOOLOGY	1,037	963	918	782	830	-7.1	-4.7	-14.8	6.1
BIOSCIENCES, N.E.C.	618	716	784	837	743	15.9	9.5	6.8	-11.2
HEALTH SCIENCES	10,001	10,751	11,655	14,041	13,812	7.5	8.4	20.5	-1.6
ANESTHESIOLOGY	32	19	1	5	6	-40.6	-94.7	400.0	20.0
CARDIOLOGY	19	13	0	1	0	-31.6	-100.0	**	-100.0
CLINICAL PHARMACOLOGY	0	4	7	4	1	**	75.0	-42.9	-75.0
DENTISTRY	421	529	484	517	508	25.7	-8.5	6.8	-1.7
ENDOCRINOLOGY	9	8	13	11	9	-11.1	62.5	-15.4	-18.2
GASTROENTEROLOGY	18	6	4	4	0	-66.7	-33.3	.0	-100.0
HEMATOLOGY	6	3	2	0	2	-50.0	-33.3	-100.0	**
NEUROLOGY	33	44	31	44	41	33.3	-29.5	41.9	-6.8
NURSING	2,641	2,922	4,029	5,716	5,940	10.6	37.7	42.0	-6.6
OBSTETRICS/GYNECOLOGY	26	22	24	11	9	-15.4	9.1	-54.2	-18.2
OPHTHALMOLOGY	17	6	3	1	1	-64.7	-50.0	-66.7	.0
OTORHINOLARYNGOLOGY	12	13	22	21	14	8.3	69.2	-4.5	-33.3
PEDIATRICS	66	68	118	63	47	3.0	73.5	-46.6	-25.4
PHARMACEUTICAL SCIENCES	747	803	754	855	813	7.5	-6.1	13.4	-4.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,730	2,079	2,260	2,245	2,404	20.2	8.7	-.7	7.1
PSYCHIATRY	82	59	49	32	37	-28.0	-16.9	-34.7	15.6
PULMONARY DISEASE	32	3	0	2	4	-90.6	-100.0	**	100.0
RADIOLOGY	127	116	81	89	61	-8.7	-30.2	9.9	-31.5
SPEECH PATH/AUDIOLOGY	2,247	2,465	2,143	2,323	2,220	9.7	-13.1	8.4	-4.4
SURGERY	63	35	35	23	15	-44.4	.0	-34.3	-34.8
VETERINARY SCIENCES	238	262	294	315	269	10.1	12.2	7.1	-14.6
CLINICAL MEDICINE, N.E.C.	537	187	190	274	298	-65.2	1.6	44.2	8.8
HEALTH RELATED, N.E.C.	898	1,085	1,115	1,485	1,713	20.8	2.8	33.2	15.4
PSYCHOLOGY	7,816	7,765	7,651	7,758	7,072	-.7	-1.5	1.4	-8.8
SOCIAL SCIENCES	24,662	28,260	26,247	28,152	26,375	14.6	-7.1	7.3	-6.3
AGRICULTURAL ECONOMICS	646	768	902	823	738	18.9	4.4	2.6	-10.3
ANTHROPOLOGY	1,573	1,513	1,596	1,558	1,338	-3.8	5.5	-2.4	-14.1
ECONOMICS (EXCEPT AGRICULTURAL)	3,648	4,009	3,560	3,711	3,574	9.9	-11.2	4.2	-3.7
GEOGRAPHY	882	975	1,012	966	836	10.5	3.8	-4.5	-13.5
HISTORY AND PHILOSOPHY OF SCIENCE	84	66	80	64	62	-21.4	21.2	-20.0	-3.1
LINGUISTICS	1,365	1,526	1,616	1,528	1,393	11.8	5.9	-5.4	-11.5
POLITICAL SCIENCE	7,269	8,797	7,825	8,660	7,899	21.0	-11.0	10.7	-8.8
SOCIOLOGY	3,855	4,001	3,617	3,465	3,061	3.8	-9.6	-4.2	-11.7
SOCIOLOGY/ANTHROPOLOGY	532	589	410	425	366	10.7	-30.4	3.7	-13.9
SOCIAL SCIENCES, N.E.C.	4,808	6,016	5,729	6,952	7,148	25.1	-4.8	21.3	2.8

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-5. GRADUATE STUDENTS BEYOND FIRST YEAR IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	164,698	183,146	190,796	194,329	205,263	11.2	4.2	1.9	5.6
ENGINEERING	32,041	35,783	36,878	37,849	40,861	11.7	3.1	2.6	8.0
AERONAUTICAL	1,123	1,013	936	937	928	-9.8	-7.6	.1	-1.0
AGRICULTURAL	362	389	470	503	573	7.5	20.8	7.0	13.9
BIOMEDICAL	463	582	563	564	593	25.7	-3.3	.2	5.1
CHEMICAL	2,850	3,054	3,128	3,070	3,414	7.2	2.4	-1.9	11.2
CIVIL	5,230	6,199	5,888	6,057	6,732	18.5	-5.0	2.9	11.1
ELECTRICAL	8,258	8,473	8,531	8,718	9,657	2.6	.7	2.2	10.8
ENGINEERING SCIENCE	1,447	1,601	1,542	1,501	1,500	10.6	-3.7	-2.7	-.1
INDUSTRIAL	3,948	5,427	6,031	6,103	6,325	37.5	11.1	1.2	3.6
MECHANICAL	4,090	4,258	4,265	4,507	4,889	4.1	.2	5.7	8.5
METALLURGICAL/MATERIALS	1,579	1,727	1,755	1,785	1,806	9.4	1.6	1.7	1.2
MINING	197	236	286	366	371	19.8	21.2	28.0	1.4
NUCLEAR	815	916	1,096	1,027	1,010	12.4	19.7	-6.3	-1.7
PETROLEUM	199	209	211	257	329	5.0	1.0	21.8	28.0
ENGINEERING, N.E.C.	1,480	1,699	2,176	2,494	2,734	14.8	28.1	12.8	11.4
PHYSICAL SCIENCES	17,840	17,754	18,152	18,089	18,258	-.5	2.2	-.3	.9
ASTRONOMY	488	500	466	407	417	2.5	-6.8	-12.7	2.5
CHEMISTRY	9,748	9,880	10,136	10,323	10,631	1.4	2.6	1.8	3.0
PHYSICS	7,517	7,288	7,360	7,204	7,045	-3.0	1.0	-2.1	-2.2
PHYSICAL SCIENCES, N.E.C.	87	86	190	155	165	-1.1	120.9	-18.4	6.5
ENVIRONMENTAL SCIENCES	6,584	6,996	7,648	8,023	8,283	6.3	9.3	4.9	3.2
ATMOSPHERIC SCIENCES	680	644	671	653	656	-5.3	4.2	-2.7	.5
GEOSCIENCES	4,199	4,419	4,848	5,046	5,360	5.2	9.7	4.1	6.2
OCEANOGRAPHY	1,339	1,416	1,460	1,548	1,482	5.8	3.1	6.0	-4.3
ENVIRONMENTAL SCIENCES, N.E.C.	366	517	669	776	785	41.3	29.4	16.0	1.2
MATHEMATICAL SCIENCES	12,202	12,530	13,550	12,830	13,669	2.7	8.1	-5.3	6.5
COMPUTER SCIENCE	3,502	3,758	4,486	4,341	5,189	7.3	19.4	-3.2	19.5
MATHEMATICS AND APPLIED MATHEMATICS	7,608	7,575	7,794	7,191	7,225	-.4	2.9	-7.7	.5
STATISTICS	1,092	1,197	1,270	1,298	1,255	9.6	6.1	2.2	-3.3
LIFE SCIENCES	40,014	44,889	47,646	51,472	55,670	12.2	6.1	8.0	8.2
AGRICULTURAL SCIENCES	6,058	6,820	7,332	7,767	8,342	12.6	7.5	5.9	7.4
BIOLOGICAL SCIENCES	25,323	27,641	28,631	29,899	30,858	9.2	3.6	4.4	3.2
ANATOMY	718	766	813	878	891	6.7	6.1	8.0	1.5
BIOCHEMISTRY	2,651	2,623	2,676	2,777	2,963	-1.1	2.0	3.8	6.7
BIOLOGY	6,299	7,549	7,669	7,809	7,786	19.8	1.6	1.8	-.6
BIOMETRY/EPIDEMIOLOGY	402	439	395	558	582	9.2	-10.0	41.3	4.3
BIOPHYSICS	522	593	554	512	471	13.6	-6.6	-7.6	-8.0
BOTANY	1,789	1,844	1,919	2,089	2,122	3.1	4.1	8.9	1.6
CELL BIOLOGY	375	379	402	428	474	1.1	6.1	6.5	10.7
ECOLOGY	380	504	621	694	724	32.6	23.2	11.8	4.3
ENTOMOLOGY/PARASITOLOGY	1,009	1,031	1,132	1,139	1,243	2.2	9.8	.6	9.1
GENETICS	558	571	596	689	715	2.3	4.4	15.6	3.8
MICROBIOLOGY	2,508	2,660	2,822	2,899	2,962	6.1	6.1	2.7	2.2
NUTRITION	1,409	1,474	1,714	2,030	2,303	4.6	16.3	18.4	13.4
PATHOLOGY	619	723	724	786	858	16.8	.1	8.6	9.2
PHARMACOLOGY	951	1,124	1,230	1,318	1,406	18.2	9.4	7.2	6.7
PHYSIOLOGY	1,533	1,610	1,618	1,525	1,613	5.0	.5	-5.7	5.8
ZOOLOGY	2,489	2,557	2,368	2,269	2,143	2.7	-7.4	-4.2	-5.6
BIOSCIENCES, N.E.C.	1,111	1,194	1,378	1,499	1,622	7.5	15.4	8.8	8.2
HEALTH SCIENCES	8,633	10,428	11,683	13,806	16,470	20.8	12.0	18.2	19.3
ANESTHESIOLOGY	27	36	4	0	4	33.3	-88.9	-100.0	**
CARDIOLOGY	28	10	2	4	3	-64.3	-80.0	100.0	-25.0
CLINICAL PHARMACOLOGY	3	0	17	1	7	-100.0	**	-94.1	600.0
DENTISTRY	570	792	743	795	815	38.9	-6.2	7.0	2.5
ENDOCRINOLOGY	22	34	24	27	27	54.5	-29.4	12.5	.0
GASTROENTEROLOGY	29	9	4	4	5	-69.0	-55.6	.0	25.0
HEMATOLOGY	16	0	2	5	6	-100.0	**	150.0	20.0
NEUROLOGY	115	152	138	138	150	32.2	-9.2	.0	8.7
NURSING	1,188	1,813	2,564	4,247	5,477	52.6	41.4	65.6	29.0
OBSTETRICS/GYNECOLOGY	44	31	35	16	17	-29.5	12.9	-54.3	6.3
OPHTHALMOLOGY	28	24	10	15	2	-14.3	-58.3	50.0	-86.7
OTORHINOLARYNGOLOGY	57	41	46	36	32	-28.1	12.2	-21.7	-11.1
PEDIATRICS	83	70	35	28	40	-15.7	-50.0	-20.0	42.9
PHARMACEUTICAL SCIENCES	1,331	1,510	1,459	1,629	1,698	13.4	-3.4	11.7	4.2
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,256	1,493	1,778	1,882	2,257	18.9	19.1	5.8	19.9
PSYCHIATRY	215	168	132	145	135	-21.9	-21.4	9.8	-6.9
PULMONARY DISEASE	15	4	0	1	6	-73.3	-100.0	**	500.0
RADIOLOGY	157	189	130	169	165	20.4	-31.2	30.0	-2.4
SPEECH PATH/AUDIOLOGY	1,462	2,265	2,391	2,535	2,947	54.9	5.6	6.0	16.3
SURGERY	76	90	84	78	76	18.4	-6.7	-7.1	-2.6
VETERINARY SCIENCES	420	438	474	551	597	4.3	8.2	16.2	8.3
CLINICAL MEDICINE, N.E.C.	740	246	227	340	332	-66.8	-7.7	49.8	-2.4
HEALTH RELATED, N.E.C.	751	1,013	1,384	1,160	1,672	34.9	36.6	-16.2	44.1
PSYCHOLOGY	16,919	19,218	20,694	20,536	20,848	13.6	7.7	-.8	1.5
SOCIAL SCIENCES	39,098	45,976	46,228	45,530	47,674	17.6	.5	-1.5	4.7
AGRICULTURAL ECONOMICS	1,124	1,380	1,393	1,409	1,515	22.8	.9	1.1	7.5
ANTHROPOLOGY	4,132	4,666	4,603	4,625	4,548	12.9	-1.4	.5	-1.7
ECONOMICS (EXCEPT AGRICULTURAL)	6,474	7,150	7,071	7,181	7,402	10.4	-1.1	1.6	3.1
GEOGRAPHY	1,897	1,964	2,007	1,898	1,946	3.5	2.2	-5.4	2.5
HISTORY AND PHILOSOPHY OF SCIENCE	203	237	242	236	219	16.7	2.1	-2.5	-7.2
LINGUISTICS	1,798	2,362	2,355	2,453	2,479	31.4	-.3	4.2	1.1
POLITICAL SCIENCE	9,965	12,950	13,143	12,392	13,521	30.0	1.5	-5.7	9.1
SOCIOLOGY	7,500	8,042	7,733	6,991	6,936	7.2	-3.8	-9.6	-.8
SOCIOLOGY/ANTHROPOLOGY	878	1,046	951	944	814	19.1	-9.1	-.7	-13.8
SOCIAL SCIENCES, N.E.C.	5,127	6,179	6,730	7,401	8,294	20.5	8.9	10.0	12.1

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-6. GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION: 1974-78

DIVISION AND STATE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
UNITED STATES TOTAL	267,316	296,351	300,557	309,964	311,982	10.9	1.4	3.1	0.7
NEW ENGLAND	20,426	21,004	22,078	22,209	22,940	2.8	5.1	.6	3.3
CONNECTICUT	3,278	3,361	3,686	3,418	3,474	2.5	9.7	-7.3	1.6
MAINE	431	446	512	469	487	3.5	14.8	-8.4	3.8
MASSACHUSETTS	13,656	14,253	15,031	15,444	16,110	4.4	5.5	2.7	4.3
NEW HAMPSHIRE	754	652	676	723	666	-13.5	3.7	7.0	-7.9
RHODE ISLAND	1,711	1,815	1,688	1,675	1,753	6.1	-7.0	-.8	4.7
VERMONT	596	477	485	480	450	-20.0	1.7	-1.0	-6.3
MIDDLE ATLANTIC	50,103	56,055	53,792	55,982	54,622	11.9	-4.0	4.1	-2.4
NEW JERSEY	8,105	9,359	8,651	8,779	8,795	15.5	-7.6	1.5	.2
NEW YORK	29,936	33,758	31,218	33,210	32,092	12.8	-7.5	6.4	-3.4
PENNSYLVANIA	12,062	12,938	13,923	13,993	13,735	7.3	7.6	.5	-1.8
EAST NORTH CENTRAL	53,289	56,020	56,561	57,464	57,595	5.1	1.0	1.6	.2
ILLINOIS	13,716	14,239	14,101	15,074	15,306	3.8	-1.0	6.9	1.5
INDIANA	6,628	6,870	7,210	7,152	7,113	3.7	4.9	-.8	-.5
MICHIGAN	12,639	12,483	12,209	12,247	12,269	-1.2	-2.2	.3	.2
OHIO	12,816	13,953	14,994	15,202	15,317	8.9	7.5	1.4	.8
WISCONSIN	7,490	8,475	8,047	7,789	7,590	13.2	-5.1	-3.2	-2.6
WEST NORTH CENTRAL	19,470	21,396	22,064	22,596	22,855	9.9	3.1	2.4	1.1
IOWA	3,579	3,653	3,982	4,006	4,268	2.1	9.0	.6	6.5
KANSAS	3,327	3,716	3,913	4,189	4,413	11.7	5.3	7.1	5.3
MINNESOTA	4,650	5,320	5,026	4,863	4,863	14.4	-5.5	-3.2	.0
MISSOURI	5,303	5,944	6,091	6,030	5,742	12.1	2.5	-1.0	-4.8
NEBRASKA	1,286	1,470	1,730	2,112	2,073	14.3	17.7	22.1	-1.8
NORTH DAKOTA	693	742	809	836	858	7.1	9.0	3.3	2.6
SOUTH DAKOTA	632	551	513	560	638	-12.8	-6.9	9.2	13.9
SOUTH ATLANTIC	36,337	40,597	42,081	44,733	45,759	11.7	3.7	6.3	2.3
DELAWARE	863	908	902	884	884	5.2	-.7	-2.0	.0
DISTRICT OF COLUMBIA	6,160	7,314	7,600	9,050	8,714	18.7	3.9	19.1	-3.7
FLORIDA	6,033	7,013	7,397	7,198	7,974	16.2	5.5	-2.7	10.8
GEORGIA	4,452	4,816	4,832	4,861	5,087	8.2	.3	.6	4.6
MARYLAND	5,774	5,590	5,624	5,754	5,696	-3.2	.6	2.3	-1.0
NORTH CAROLINA	5,403	5,739	5,764	6,257	6,328	6.2	.4	8.6	1.1
SOUTH CAROLINA	1,942	2,539	2,720	2,833	2,830	30.7	7.1	4.2	-.1
VIRGINIA	4,328	5,037	5,389	5,686	5,880	16.4	7.0	5.5	3.4
WEST VIRGINIA	1,382	1,641	1,853	2,210	2,366	18.7	12.9	19.3	7.1
EAST SOUTH CENTRAL	9,796	11,248	12,208	12,830	13,068	14.8	8.5	5.1	1.8
ALABAMA	1,979	2,328	2,810	3,182	3,362	17.6	20.7	13.2	5.7
KENTUCKY	1,966	2,254	2,386	2,475	2,462	14.6	5.9	3.7	-.5
MISSISSIPPI	1,343	1,765	1,824	1,858	1,970	31.4	3.3	1.9	6.0
TENNESSEE	4,508	4,901	5,188	5,315	5,272	8.7	5.9	2.4	-.8
WEST SOUTH CENTRAL	21,942	23,624	24,555	26,967	27,694	7.7	3.9	9.8	2.7
ARKANSAS	826	857	948	1,044	1,056	3.8	10.6	10.1	1.1
LOUISIANA	3,071	2,798	2,883	3,100	3,483	-8.9	3.0	7.5	12.4
OKLAHOMA	3,676	3,455	3,344	3,726	3,757	-6.0	-3.2	11.4	.8
TEXAS	14,369	16,514	17,380	19,097	19,398	14.9	5.2	9.9	1.6
MOUNTAIN	17,198	20,447	19,999	19,861	20,157	18.9	-2.2	-.7	1.5
ARIZONA	4,259	4,791	4,707	4,729	4,792	12.5	-1.8	.5	1.3
COLORADO	5,892	7,735	7,182	6,855	6,648	31.3	-7.1	-4.6	-3.0
IDAHO	755	841	975	1,192	1,191	11.4	15.9	22.3	-.1
MONTANA	689	756	774	763	772	9.7	2.4	-1.4	1.2
NEVADA	421	495	537	469	435	8.1	18.0	-12.7	-7.2
NEW MEXICO	1,569	1,970	1,915	1,809	2,059	25.6	-2.8	-5.5	13.8
UTAH	3,000	3,218	3,214	3,369	3,582	7.3	-.1	4.8	6.3
WYOMING	613	681	695	675	678	11.1	2.1	-2.9	.4
PACIFIC	37,593	44,507	45,805	45,708	45,744	18.4	2.9	-.2	.1
ALASKA	209	173	208	228	251	-17.2	20.2	9.6	10.1
CALIFORNIA	28,947	35,412	35,807	35,019	34,895	22.3	1.1	-2.2	-.4
HAWAII	1,388	1,484	1,496	1,543	1,501	6.9	.8	3.1	-2.7
OREGON	2,495	2,852	2,995	3,135	3,262	14.3	5.0	4.7	4.1
WASHINGTON	4,554	4,586	5,299	5,783	5,835	.7	15.5	9.1	.9
OUTLYING AREAS	1,162	1,453	1,414	1,614	1,550	25.0	-2.7	14.1	-4.0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-7. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	195,915	211,553	214,866	218,425	217,588	8.0	1.6	1.7	-0.4
ENGINEERING	33,691	37,112	36,414	36,797	37,129	10.2	-1.9	1.1	.9
AERONAUTICAL	1,258	1,230	1,126	1,158	1,126	-2.2	-8.5	2.8	-2.8
AGRICULTURAL	488	577	641	692	708	18.2	11.1	8.0	2.3
BIOMEDICAL	668	758	719	685	710	13.5	-5.1	-4.7	3.6
CHEMICAL	3,318	3,590	3,737	4,016	4,065	8.2	4.1	7.5	1.2
CIVIL	5,866	6,591	6,082	6,220	6,376	12.4	-7.7	2.3	2.5
ELECTRICAL	7,650	8,133	8,003	8,279	8,236	6.3	-1.6	3.4	-.5
ENGINEERING SCIENCE	1,578	1,681	1,683	1,503	1,447	6.5	.1	-10.7	-3.7
INDUSTRIAL	3,605	4,502	4,036	3,851	3,864	24.9	-10.4	-4.6	.3
MECHANICAL	4,213	4,424	4,469	4,470	4,602	5.0	1.0	*	3.0
METALLURGICAL/MATERIALS	1,694	1,820	1,891	1,976	1,994	7.4	3.9	4.5	.9
MINING	281	350	413	450	421	24.6	18.0	9.0	-6.4
NUCLEAR	1,061	1,267	1,233	1,165	1,167	19.4	-2.7	-5.5	.2
PETROLEUM	261	258	351	340	376	-1.1	36.0	-3.1	10.6
ENGINEERING, N.E.C.	1,750	1,931	2,030	1,992	2,037	10.3	5.1	-1.9	2.3
PHYSICAL SCIENCES	21,422	21,443	21,787	21,913	21,651	.1	1.6	.6	-1.2
ASTRONOMY	564	570	525	500	492	1.1	-7.9	-4.8	-1.6
CHEMISTRY	11,703	11,966	12,359	12,551	12,630	2.2	3.3	1.6	.6
PHYSICS	9,012	8,796	8,808	8,768	8,429	-2.4	.1	-.5	-3.9
PHYSICAL SCIENCES, N.E.C.	143	111	95	94	100	-22.4	-14.4	-1.1	6.4
ENVIRONMENTAL SCIENCES	8,227	8,698	9,321	9,615	9,724	5.7	7.2	3.2	1.1
ATMOSPHERIC SCIENCES	847	892	888	874	824	5.3	-.4	-1.6	-5.7
GEOSCIENCES	5,260	5,615	6,022	6,192	6,276	6.7	7.2	2.8	1.4
OCEANOGRAPHY	1,700	1,651	1,703	1,745	1,719	-2.9	3.1	2.5	-1.5
ENVIRONMENTAL SCIENCES, N.E.C.	420	540	708	804	905	28.6	31.1	13.6	12.6
MATHEMATICAL SCIENCES	13,423	13,862	14,310	13,797	13,706	3.3	3.2	-3.6	-.7
COMPUTER SCIENCE	3,776	4,175	4,506	4,396	4,618	10.6	7.9	-2.4	5.1
MATHEMATICS AND APPLIED MATHEMATICS	8,378	8,244	8,309	7,900	7,663	-1.6	.8	-4.9	-3.0
STATISTICS	1,269	1,443	1,495	1,501	1,425	13.7	3.6	.4	-5.1
LIFE SCIENCES	54,800	59,492	61,739	64,188	65,097	8.6	3.8	4.0	1.4
AGRICULTURAL SCIENCES	8,493	9,497	10,165	10,429	10,231	11.8	7.0	2.6	-1.9
BIOLOGICAL SCIENCES	32,408	34,749	35,205	35,805	35,580	7.2	1.3	1.7	-.6
ANATOMY	967	1,004	1,046	1,065	1,055	3.8	4.2	1.8	-.9
BIOCHEMISTRY	3,443	3,382	3,423	3,526	3,615	-1.8	1.2	3.0	2.5
BIOLOGY	7,602	8,877	8,880	8,798	8,325	16.8	*	-.9	-5.4
BIOMETRY/EPIDEMIOLOGY	559	589	522	657	733	5.4	-11.4	25.9	11.6
BIOPHYSICS	646	708	667	620	562	9.6	-5.8	-7.0	-9.4
BOTANY	2,318	2,311	2,456	2,585	2,555	-.3	6.3	5.3	-1.2
CELL BIOLOGY	462	541	504	552	610	17.1	-6.8	9.5	10.5
ECOLOGY	512	656	724	816	844	28.1	10.4	12.7	3.4
ENTOMOLOGY/PARASITOLOGY	1,187	1,373	1,410	1,377	1,475	15.7	2.7	-2.3	7.1
GENETICS	736	757	765	884	855	2.9	1.1	15.6	-3.3
MICROBIOLOGY	3,347	3,478	3,512	3,565	3,399	3.9	1.0	1.5	-4.7
NUTRITION	2,143	2,155	2,327	2,606	2,691	.6	8.0	12.0	3.3
PATHOLOGY	839	890	920	913	986	6.1	3.4	-.8	8.0
PHARMACOLOGY	1,307	1,517	1,586	1,635	1,751	16.1	4.5	3.1	7.1
PHYSIOLOGY	1,981	2,085	1,971	1,956	1,944	5.2	-5.5	-.8	-.6
ZOOLOGY	3,083	3,058	2,874	2,615	2,515	-.8	-6.0	-9.0	-3.8
BIOSCIENCES, N.E.C.	1,276	1,368	1,618	1,635	1,665	7.2	18.3	1.1	1.8
HEALTH SCIENCES	13,899	15,246	16,369	17,954	19,286	9.7	7.4	9.7	7.4
ANESTHESIOLOGY	59	55	5	3	7	-6.8	-90.9	-40.0	133.3
CARDIOLOGY	43	22	0	3	3	-48.8	-100.0	**	.0
CLINICAL PHARMACOLOGY	1	3	24	5	6	200.0	700.0	-79.2	20.0
DENTISTRY	859	1,123	1,043	1,072	1,069	30.7	-7.1	2.8	-.3
ENDOCRINOLOGY	28	42	33	31	33	50.0	-21.4	-6.1	6.5
GASTROENTEROLOGY	46	11	8	8	5	-76.1	-27.3	.0	-37.5
HEMATOLOGY	22	3	3	5	8	-86.4	.0	66.7	60.0
NEUROLOGY	138	193	160	174	189	39.9	-17.1	8.7	8.6
NURSING	2,305	2,734	3,787	5,220	5,557	18.6	38.5	37.8	6.5
OBSTETRICS/GYNECOLOGY	57	51	52	25	23	-10.5	2.0	-51.9	-8.0
OPHTHALMOLOGY	41	25	8	9	2	-39.0	-68.0	12.5	-77.8
OTORHINOLARYNGOLOGY	66	50	64	56	45	-24.2	28.0	-12.5	-19.6
PEDIATRICS	119	111	117	86	82	-6.7	5.4	-26.5	-4.7
PHARMACEUTICAL SCIENCES	1,370	1,473	1,416	1,575	1,560	7.5	-3.9	11.2	-1.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,465	2,878	3,078	2,930	3,299	16.8	6.9	-4.8	12.6
PSYCHIATRY	205	168	142	144	132	-18.0	-15.5	1.4	-8.3
PULMONARY DISEASE	47	7	0	3	10	-85.1	-100.0	**	233.3
RADIOLOGY	232	245	199	217	193	5.6	-18.8	9.0	-11.1
SPEECH PATH/AUDIOLOGY	2,784	3,517	3,488	3,547	3,744	26.3	-.8	1.7	5.6
SURGERY	107	114	107	83	76	6.5	-6.1	-22.4	-8.4
VETERINARY SCIENCES	506	529	598	675	627	4.5	13.0	12.9	-7.1
CLINICAL MEDICINE, N.E.C.	970	406	374	547	524	-58.1	-7.9	46.3	-4.2
HEALTH RELATED, N.E.C.	1,429	1,486	1,663	1,536	2,092	4.0	11.9	-7.6	36.2
PSYCHOLOGY	18,728	19,704	21,546	21,296	20,677	5.2	9.3	-1.2	-2.9
SOCIAL SCIENCES	45,624	51,242	49,749	50,819	49,604	12.3	-2.9	2.2	-2.4
AGRICULTURAL ECONOMICS	1,612	1,925	1,973	1,986	2,022	19.4	2.5	.7	1.8
ANTHROPOLOGY	4,597	4,833	4,891	4,923	4,524	5.1	1.2	.7	-8.1
ECONOMICS (EXCEPT AGRICULTURAL)	6,893	8,262	7,595	7,944	8,068	19.9	-8.1	4.6	1.6
GEOGRAPHY	2,001	2,154	2,206	2,076	2,018	7.6	2.4	-5.9	-2.8
HISTORY AND PHILOSOPHY OF SCIENCE	247	259	270	257	241	4.9	4.2	-4.8	-6.2
LINGUISTICS	2,589	3,054	3,153	2,926	2,726	18.0	3.2	-7.2	-6.8
POLITICAL SCIENCE	10,987	12,804	11,992	12,243	11,826	16.5	-6.3	2.1	-3.4
SOCIOLOGY	8,201	8,557	8,111	7,590	6,960	4.3	-5.2	-6.4	-8.3
SOCIOLOGY/ANTHROPOLOGY	950	1,051	729	796	614	10.6	-30.6	9.2	-22.9
SOCIAL SCIENCES, N.E.C.	7,547	8,343	8,829	10,078	10,605	10.5	5.8	14.1	5.2

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-8. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	143,479	154,285	156,643	158,356	156,877	7.5	1.5	1.1	-0.9
ENGINEERING	23,415	25,622	25,203	25,401	25,400	9.4	-1.6	.8	*
AERONAUTICAL	898	843	814	817	786	-6.1	-3.4	.4	-3.8
AGRICULTURAL	453	542	609	656	668	19.6	12.4	7.7	1.8
BIOMEDICAL	328	373	373	362	362	13.7	.0	-2.9	.0
CHEMICAL	2,359	2,533	2,547	2,779	2,781	7.4	.6	9.1	.1
CIVIL	4,378	4,726	4,541	4,654	4,763	7.9	-3.9	2.5	2.3
ELECTRICAL	5,038	5,507	5,402	5,562	5,351	9.3	-1.9	3.0	-3.8
ENGINEERING SCIENCE	1,148	1,345	1,331	1,143	1,095	17.2	-1.0	-14.1	-4.2
INDUSTRIAL	2,295	2,587	2,382	2,324	2,365	12.7	-7.9	-2.4	1.8
MECHANICAL	2,988	3,152	3,014	2,930	3,075	5.5	-4.4	-2.8	4.9
METALLURGICAL/MATERIALS	1,032	1,113	1,187	1,239	1,253	7.8	6.6	4.4	1.1
MINING	215	273	325	369	339	27.0	19.0	13.5	-8.1
NUCLEAR	827	975	966	911	875	17.9	-.9	-5.7	-4.0
PETROLEUM	143	169	222	222	248	18.2	31.4	.0	11.7
ENGINEERING, N.E.C.	1,313	1,484	1,490	1,433	1,439	13.0	.4	-3.8	.4
PHYSICAL SCIENCES	14,956	15,080	15,322	15,376	15,205	.8	1.6	.4	-1.1
ASTRONOMY	397	386	342	322	319	-2.8	-11.4	-5.8	-.9
CHEMISTRY	8,509	8,697	9,035	9,157	9,207	2.2	3.9	1.4	.5
PHYSICS	5,937	5,904	5,877	5,834	5,817	-.6	-.5	-.7	-3.7
PHYSICAL SCIENCES, N.E.C.	113	93	68	63	62	-17.7	-26.9	-7.4	-1.6
ENVIRONMENTAL SCIENCES	6,348	6,805	7,272	7,637	7,673	7.2	6.9	5.0	.5
ATMOSPHERIC SCIENCES	772	819	824	814	772	6.1	.6	-1.2	-5.2
GEOSCIENCES	4,007	4,317	4,690	4,870	4,945	7.7	8.6	3.8	1.5
OCEANOGRAPHY	1,258	1,238	1,294	1,351	1,296	-1.6	4.5	4.4	-4.1
ENVIRONMENTAL SCIENCES, N.E.C.	311	431	464	602	660	38.6	7.7	29.7	9.6
MATHEMATICAL SCIENCES	10,277	10,711	11,021	10,559	10,595	4.2	2.9	-4.2	.3
COMPUTER SCIENCE	3,044	3,375	3,682	3,518	3,707	10.9	9.1	-4.5	5.4
MATHEMATICS AND APPLIED MATHEMATICS	6,214	6,161	6,106	5,783	5,683	-.9	-.9	-5.3	-1.7
STATISTICS	1,019	1,175	1,233	1,258	1,205	15.3	4.9	2.0	-4.2
LIFE SCIENCES	43,441	47,444	49,318	50,908	51,140	9.2	3.9	3.2	.5
AGRICULTURAL SCIENCES	8,236	9,217	9,882	10,142	9,935	11.9	7.2	2.6	-2.0
BIOLOGICAL SCIENCES	24,250	26,085	26,451	26,949	26,667	7.6	1.4	1.9	-1.0
ANATOMY	631	679	711	720	704	7.6	4.7	1.3	-2.2
BIOCHEMISTRY	2,371	2,358	2,408	2,468	2,474	-.5	2.1	2.5	.2
BIOLOGY	4,935	5,817	5,895	5,891	5,594	17.9	1.3	-.1	-5.0
BIOMETRY/EPIDEMIOLOGY	365	423	364	469	535	15.9	-13.9	28.8	14.1
BIOPHYSICS	381	394	348	312	310	3.4	-11.7	-10.3	-.6
BOTANY	2,146	2,137	2,285	2,404	2,354	-.4	6.9	5.2	-2.1
CELL BIOLOGY	250	291	312	352	389	16.4	7.2	12.8	10.5
ECOLOGY	453	596	658	758	784	31.6	10.4	15.2	3.4
ENTOMOLOGY/PARASITOLOGY	1,118	1,300	1,347	1,320	1,406	16.3	3.6	-2.0	6.5
GENETICS	612	582	608	696	680	-4.9	4.5	14.5	-2.3
MICROBIOLOGY	2,656	2,749	2,699	2,716	2,557	3.5	-1.8	.6	-5.9
NUTRITION	1,707	1,701	1,817	2,024	2,076	-.4	6.8	11.4	2.6
PATHOLOGY	529	591	577	594	646	11.7	-2.4	2.9	8.8
PHARMACOLOGY	888	1,063	1,067	1,060	1,124	19.7	.4	-.7	6.0
PHYSIOLOGY	1,411	1,536	1,432	1,422	1,408	8.9	-6.8	-.7	-1.0
ZOOLOGY	2,896	2,872	2,697	2,455	2,330	-.8	-6.1	-9.0	-5.1
BIOSCIENCES, N.E.C.	901	996	1,226	1,288	1,296	10.5	23.1	5.1	.6
HEALTH SCIENCES	10,955	12,142	12,985	13,817	14,538	10.8	6.9	6.4	5.2
ANESTHESIOLOGY	12	14	5	2	3	16.7	-64.3	-60.0	50.0
CARDIOLOGY	20	20	0	2	2	.0	-100.0	**	.0
CLINICAL PHARMACOLOGY	1	3	24	5	3	200.0	700.0	-79.2	-40.0
DENTISTRY	503	690	698	740	731	37.2	1.2	6.0	-1.2
ENDOCRINOLOGY	25	41	32	31	30	64.0	-22.0	-3.1	-3.2
GASTROENTEROLOGY	38	11	8	8	5	-71.1	-27.3	.0	-37.5
HEMATOLOGY	21	3	3	1	3	-85.7	.0	-66.7	200.0
NEUROLOGY	49	58	51	72	80	18.4	-12.1	41.2	11.1
NURSING	2,111	2,447	3,048	3,758	4,092	15.9	24.6	23.3	8.9
OBSTETRICS/GYNECOLOGY	51	43	37	17	16	-15.7	-14.0	-54.1	-5.9
OPHTHALMOLOGY	22	6	3	7	1	-72.7	-50.0	133.3	-85.7
OTORHINOLARYNGOLOGY	44	36	48	31	30	-18.2	33.3	-35.4	-3.2
PEDIATRICS	93	95	104	67	64	2.2	9.5	-35.6	-4.5
PHARMACEUTICAL SCIENCES	1,194	1,248	1,278	1,378	1,364	4.5	2.4	7.8	-1.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,004	2,232	2,443	2,257	2,528	11.4	9.5	-7.6	12.0
PSYCHIATRY	100	75	54	76	78	-25.0	-28.0	40.7	2.6
PULMONARY DISEASE	24	5	0	3	9	-79.2	-100.0	**	200.0
RADIOLOGY	209	226	185	205	183	8.1	-18.1	10.8	-10.7
SPEECH PATH/AUDIOLOGY	2,370	3,055	3,051	3,138	3,310	28.9	-.1	2.9	5.5
SURGERY	97	94	76	61	63	-3.1	-19.1	-19.7	3.3
VETERINARY SCIENCES	467	479	545	612	565	2.6	13.8	12.3	-7.7
CLINICAL MEDICINE, N.E.C.	538	265	238	314	294	-50.7	-10.2	31.9	-6.4
HEALTH RELATED, N.E.C.	962	996	1,054	1,032	1,084	3.5	5.8	-2.1	5.0
PSYCHOLOGY	12,965	13,365	13,901	13,498	12,999	3.1	4.0	-2.9	-3.7
SOCIAL SCIENCES	32,077	35,258	34,606	34,977	33,865	9.9	-1.8	1.1	-3.2
AGRICULTURAL ECONOMICS	1,472	1,807	1,856	1,871	1,897	22.8	2.7	.8	1.4
ANTHROPOLOGY	3,216	3,422	3,585	3,586	3,278	6.4	4.8	*	-8.6
ECONOMICS (EXCEPT AGRICULTURAL)	4,343	5,034	4,927	4,924	4,935	15.9	-2.1	-.1	.2
GEOGRAPHY	1,760	1,891	1,956	1,849	1,776	7.4	3.4	-5.5	-3.9
HISTORY AND PHILOSOPHY OF SCIENCE	140	127	135	135	132	-9.3	6.3	.0	-2.2
LINGUISTICS	1,916	2,027	2,124	2,148	1,965	5.8	4.8	1.1	-8.5
POLITICAL SCIENCE	6,672	7,558	6,894	6,957	6,563	13.3	-8.8	.9	-5.7
SOCIOLOGY	6,016	6,382	5,936	5,522	5,085	6.1	-7.0	-7.0	-7.9
SOCIOLOGY/ANTHROPOLOGY	638	785	455	519	386	23.0	-42.0	14.1	-25.6
SOCIAL SCIENCES, N.E.C.	5,904	6,225	6,738	7,466	7,848	5.4	8.2	10.8	5.1

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-9. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	52,436	57,268	58,223	60,069	60,711	9.2	1.7	3.2	1.1
ENGINEERING	10,276	11,490	11,211	11,396	11,729	11.8	-2.4	1.7	2.9
AERONAUTICAL	360	387	312	341	340	7.5	-19.4	9.3	-.3
AGRICULTURAL	35	35	32	36	40	.0	-8.6	12.5	11.1
BIOMEDICAL	340	385	346	323	348	13.2	-10.1	-6.6	7.7
CHEMICAL	959	1,057	1,190	1,237	1,284	10.2	12.6	3.9	3.8
CIVIL	1,488	1,865	1,541	1,566	1,613	25.3	-17.4	1.6	3.0
ELECTRICAL	2,612	2,626	2,601	2,717	2,885	.5	-1.0	4.5	6.2
ENGINEERING SCIENCE	430	336	352	360	352	-21.9	4.8	2.3	-2.2
INDUSTRIAL	1,310	1,915	1,654	1,527	1,499	46.2	-13.6	-7.7	-1.8
MECHANICAL	1,225	1,272	1,455	1,540	1,527	3.8	14.4	5.8	-.8
METALLURGICAL/MATERIALS	662	707	704	737	741	6.8	-.4	4.7	.5
MINING	66	77	88	81	82	16.7	14.3	-8.0	1.2
NUCLEAR	234	292	267	254	292	24.8	-8.6	-4.9	15.0
PETROLEUM	118	89	129	118	128	-24.6	44.9	-8.5	8.5
ENGINEERING, N.E.C.	437	447	540	559	598	2.3	20.8	3.5	7.0
PHYSICAL SCIENCES	6,466	6,363	6,465	6,537	6,446	-1.6	1.6	1.1	-1.4
ASTRONOMY	167	184	183	178	173	10.2	-.5	-2.7	-2.8
CHEMISTRY	3,194	3,269	3,324	3,394	3,423	2.3	1.7	2.1	.9
PHYSICS	3,075	2,892	2,931	2,934	2,812	-6.0	1.3	.1	-4.2
PHYSICAL SCIENCES, N.E.C.	30	18	27	31	38	-40.0	50.0	14.8	22.6
ENVIRONMENTAL SCIENCES	1,879	1,893	2,049	1,978	2,051	.7	8.2	-3.5	3.7
ATMOSPHERIC SCIENCES	75	73	64	60	52	-2.7	-12.3	-6.3	-13.3
GEOSCIENCES	1,253	1,298	1,332	1,322	1,331	3.6	2.6	-.8	.7
OCEANOGRAPHY	442	413	409	394	423	-6.6	-1.0	-3.7	7.4
ENVIRONMENTAL SCIENCES, N.E.C.	109	109	244	202	245	.0	123.9	-17.2	21.3
MATHEMATICAL SCIENCES	3,146	3,151	3,289	3,238	3,111	.2	4.4	-1.6	-3.9
COMPUTER SCIENCE	732	800	824	878	911	9.3	3.0	6.6	3.8
MATHEMATICS AND APPLIED MATHEMATICS	2,164	2,083	2,203	2,117	1,980	-3.7	5.8	-3.9	-6.5
STATISTICS	250	268	262	243	220	7.2	-2.2	-7.3	-9.5
LIFE SCIENCES	11,359	12,048	12,421	13,280	13,957	6.1	3.1	6.9	5.1
AGRICULTURAL SCIENCES	257	280	283	287	296	8.9	1.1	1.4	3.1
BIOLOGICAL SCIENCES	8,158	8,664	8,754	8,856	8,913	6.2	1.0	1.2	.6
ANATOMY	336	325	335	345	351	-3.3	3.1	3.0	1.7
BIOCHEMISTRY	1,072	1,024	1,015	1,058	1,141	-4.5	-.9	4.2	7.8
BIOLOGY	2,667	3,060	2,985	2,907	2,731	14.7	-2.5	-2.6	-6.1
BIOMETRY/EPIDEMIOLOGY	194	166	158	188	198	-14.4	-4.8	19.0	5.3
BIOPHYSICS	265	314	319	308	252	18.5	1.6	-3.4	-18.2
BOTANY	172	174	171	181	201	1.2	-1.7	5.8	11.0
CELL BIOLOGY	212	250	192	200	221	17.9	-23.2	4.2	10.5
ECOLOGY	59	60	66	58	60	1.7	10.0	-12.1	3.4
ENTOMOLOGY/PARASITOLOGY	69	73	63	57	69	5.8	-13.7	-9.5	21.1
GENETICS	124	175	157	188	175	41.1	-10.3	19.7	-6.9
MICROBIOLOGY	691	729	813	849	842	5.5	11.5	4.4	-.8
NUTRITION	436	454	510	582	615	4.1	12.3	14.1	5.7
PATHOLOGY	310	299	343	319	340	-3.5	14.7	-7.0	6.6
PHARMACOLOGY	419	454	519	575	627	8.4	14.3	10.8	9.0
PHYSIOLOGY	570	569	539	534	536	-3.7	-1.8	-.9	.4
ZOOLOGY	187	186	177	160	185	-.5	-4.8	-9.6	15.6
BIOSCIENCES, N.E.C.	375	372	392	347	369	-.8	5.4	-11.5	6.3
HEALTH SCIENCES	2,944	3,104	3,384	4,137	4,748	5.4	9.0	22.3	14.8
ANESTHESIOLOGY	47	41	0	1	4	-12.8	-100.0	**	300.0
CARDIOLOGY	23	2	0	1	1	-91.3	-100.0	**	.0
CLINICAL PHARMACOLOGY	0	0	0	0	3	**	**	**	**
DENTISTRY	356	433	345	332	338	21.6	-20.3	-3.8	1.8
ENDOCRINOLOGY	3	1	1	0	3	-66.7	.0	-100.0	**
GASTROENTEROLOGY	8	0	0	0	0	-100.0	**	**	**
HEMATOLOGY	1	0	0	4	5	-100.0	**	**	25.0
NEUROLOGY	89	135	109	102	109	51.7	-19.3	-6.4	6.9
NURSING	194	287	739	1,462	1,465	47.9	157.5	97.8	.2
OBSTETRICS/GYNECOLOGY	6	8	15	8	7	33.3	87.5	-46.7	-12.5
OPHTHALMOLOGY	19	19	5	2	1	.0	-73.7	-60.0	-50.0
OTORHINOLARYNGOLOGY	22	14	16	25	15	-36.4	14.3	56.3	-40.0
PEDIATRICS	26	16	13	19	18	-38.5	-18.8	46.2	-5.3
PHARMACEUTICAL SCIENCES	176	225	138	197	196	27.8	-38.7	42.8	-.5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	461	646	635	673	771	40.1	-1.7	6.0	14.6
PSYCHIATRY	105	93	88	68	54	-11.4	-5.4	-22.7	-20.6
PULMONARY DISEASE	23	2	0	0	1	-91.3	-100.0	**	**
RADIOLOGY	23	19	14	12	10	-17.4	-26.3	-14.3	-16.7
SPEECH PATH/AUDIOLOGY	414	462	437	409	434	11.6	-5.4	-6.4	6.1
SURGERY	10	20	31	22	13	100.0	55.0	-29.0	-40.9
VETERINARY SCIENCES	39	50	53	63	62	28.2	6.0	18.9	-1.6
CLINICAL MEDICINE, N.E.C.	432	141	136	233	230	-67.4	-3.5	71.3	-1.3
HEALTH RELATED, N.E.C.	467	490	609	504	1,008	4.9	24.3	-17.2	100.0
PSYCHOLOGY	5,763	6,339	7,645	7,798	7,678	10.0	20.6	2.0	-1.5
SOCIAL SCIENCES	13,547	15,984	15,143	15,842	15,739	18.0	-5.3	4.6	-.7
AGRICULTURAL ECONOMICS	140	118	117	115	125	-15.7	-.8	-1.7	8.7
ANTHROPOLOGY	1,381	1,411	1,306	1,337	1,246	2.2	-7.4	2.4	-6.8
ECONOMICS (EXCEPT AGRICULTURAL)	2,550	3,228	2,668	3,020	3,133	26.6	-17.3	13.2	3.7
GEOGRAPHY	241	263	250	227	242	9.1	-4.9	-9.2	6.6
HISTORY AND PHILOSOPHY OF SCIENCE	107	132	135	122	109	23.4	2.3	-9.6	-10.7
LINGUISTICS	673	1,027	1,029	778	761	52.6	.2	-24.4	-2.2
POLITICAL SCIENCE	4,315	5,246	5,098	5,286	5,263	21.6	-2.8	3.7	-.4
SOCIOLOGY	2,185	2,175	2,175	2,068	1,875	-.5	.0	-4.9	-9.3
SOCIOLOGY/ANTHROPOLOGY	312	266	274	277	228	-14.7	3.0	1.1	-17.7
SOCIAL SCIENCES, N.E.C.	1,643	2,118	2,091	2,612	2,757	28.9	-1.3	24.9	5.6

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-10. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	73,774	79,697	78,500	80,548	74,696	8.0	-1.5	2.6	-7.3
ENGINEERING	14,683	16,499	15,833	15,837	14,601	12.4	-4.0	*	-7.8
AERONAUTICAL	432	479	396	408	411	10.9	-17.3	3.0	.7
AGRICULTURAL	203	259	265	278	248	27.6	2.3	4.9	-10.8
BIOMEDICAL	276	260	276	241	256	-5.8	6.2	-12.7	6.2
CHEMICAL	1,270	1,432	1,570	1,707	1,525	12.8	9.6	8.7	-10.7
CIVIL	3,104	3,281	3,056	3,112	2,695	5.7	-6.9	1.8	-13.4
ELECTRICAL	3,335	3,623	3,413	3,512	3,288	8.6	-5.8	2.9	-6.4
ENGINEERING SCIENCE	551	517	577	476	421	-6.2	11.6	-17.5	-11.6
INDUSTRIAL	1,597	2,265	1,929	1,919	1,777	41.8	-14.8	-.5	-7.4
MECHANICAL	1,848	2,064	2,027	2,023	1,914	11.7	-1.8	-.2	-5.4
METALLURGICAL/MATERIALS	532	575	562	593	590	8.1	-2.3	5.5	-.5
MINING	119	164	192	175	139	37.8	17.1	-8.9	-20.6
NUCLEAR	469	565	415	390	374	20.5	-26.5	-6.0	-4.1
PETROLEUM	98	104	184	142	124	6.1	76.9	-22.8	-12.7
ENGINEERING, N.E.C.	849	911	971	861	839	7.3	6.6	-11.3	-2.6
PHYSICAL SCIENCES	5,859	6,027	6,106	6,205	5,776	2.9	1.3	1.6	-6.9
ASTRONOMY	125	117	102	123	106	-6.4	-12.8	20.6	-13.8
CHEMISTRY	3,313	3,555	3,677	3,721	3,500	7.3	3.4	1.2	-5.9
PHYSICS	2,343	2,302	2,287	2,328	2,118	-1.7	-.7	1.8	-9.0
PHYSICAL SCIENCES, N.E.C.	78	53	40	33	52	-32.1	-24.5	-17.5	57.6
ENVIRONMENTAL SCIENCES	2,839	3,110	3,223	3,272	3,110	9.5	3.6	1.5	-5.0
ATMOSPHERIC SCIENCES	300	324	288	310	268	8.0	-11.1	7.6	-13.5
GEOSCIENCES	1,818	2,038	2,123	2,127	1,959	12.1	4.2	.2	-7.9
OCEANOGRAPHY	512	464	473	465	471	-9.4	1.9	-1.7	1.3
ENVIRONMENTAL SCIENCES, N.E.C.	209	284	339	370	412	35.9	19.4	9.1	11.4
MATHEMATICAL SCIENCES	4,978	5,336	5,132	5,148	4,828	7.2	-3.8	.3	-6.2
COMPUTER SCIENCE	1,930	1,893	1,765	1,845	1,806	23.7	-6.8	4.5	-2.1
MATHEMATICS AND APPLIED MATHEMATICS	3,004	2,914	2,874	2,828	2,594	-3.0	-1.4	-1.6	-8.3
STATISTICS	444	529	493	475	428	19.1	-6.8	-3.7	-9.9
LIFE SCIENCES	21,807	23,119	23,364	24,065	22,619	6.0	1.1	3.0	-6.0
AGRICULTURAL SCIENCES	3,508	3,904	4,068	3,983	3,397	11.3	4.2	-2.1	-14.7
BIOLOGICAL SCIENCES	10,653	11,397	10,932	10,793	9,927	7.0	-4.1	-1.3	-8.0
ANATOMY	308	293	291	271	240	-4.9	-.7	-6.9	-11.4
BIOCHEMISTRY	956	950	903	902	845	-.6	-4.9	-.1	-6.3
BIOLOGY	2,677	3,182	3,078	2,963	2,470	18.9	-3.3	-3.7	-16.6
BIOMETRY/EPIDEMIOLOGY	229	218	191	211	265	-4.8	-12.4	10.5	25.6
BIOPHYSICS	159	169	137	127	105	6.3	-18.9	-7.3	-17.3
BOTANY	710	687	764	732	662	-3.2	11.2	-4.2	-9.6
CELL BIOLOGY	101	173	123	151	155	71.3	-28.9	22.8	2.6
ECOLOGY	160	210	182	181	187	31.3	-13.3	-.5	3.3
ENTOMOLOGY/PARASITOLOGY	321	487	414	399	388	51.7	-15.0	-3.6	-2.8
GENETICS	202	224	218	252	214	10.9	-2.7	15.6	-15.1
MICROBIOLOGY	1,137	1,099	1,041	1,024	866	-3.3	-5.3	-1.6	-15.4
NUTRITION	918	908	907	1,078	1,028	-1.1	-.1	18.9	-4.6
PATHOLOGY	285	273	281	259	269	-4.2	2.9	-7.8	3.9
PHARMACOLOGY	433	467	441	408	422	7.9	-5.6	-7.5	3.4
PHYSIOLOGY	668	642	531	548	533	-3.9	-17.3	3.2	-2.7
ZOOLOGY	964	878	829	695	732	-8.9	-5.6	-16.2	5.3
BIOSCIENCES, N.E.C.	425	537	601	592	546	26.4	11.9	-1.5	-7.8
HEALTH SCIENCES	7,646	7,818	8,364	9,289	9,295	2.2	7.0	11.1	.1
ANESTHESIOLOGY	32	19	1	3	4	-40.6	-94.7	200.0	33.3
CARDIOLOGY	17	12	0	1	0	-29.4	-100.0	**	-100.0
CLINICAL PHARMACOLOGY	0	3	7	4	1	**	133.3	-42.9	-75.0
DENTISTRY	384	476	446	449	464	24.0	-6.3	.7	3.3
ENDOCRINOLOGY	7	8	13	9	8	14.3	62.5	-30.8	-11.1
GASTROENTEROLOGY	18	6	4	4	0	-66.7	-33.3	.0	-100.0
HEMATOLOGY	6	3	1	0	2	-50.0	-66.7	-100.0	**
NEUROLOGY	33	41	31	44	40	24.2	-24.4	41.9	-9.1
NURSING	1,574	1,571	2,337	3,126	2,996	-.2	48.8	33.8	-4.2
OBSTETRICS/GYNECOLOGY	22	21	22	11	8	-4.5	4.8	-50.0	-27.3
OPHTHALMOLOGY	17	6	2	1	1	-64.7	-66.7	-50.0	.0
OTORHINOLARYNGOLOGY	11	12	22	21	13	9.1	83.3	-4.5	-38.1
PEDIATRICS	56	66	88	60	47	17.9	33.3	-31.8	-21.7
PHARMACEUTICAL SCIENCES	516	518	477	564	485	.4	-7.9	18.2	-14.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,484	1,760	1,808	1,706	1,831	18.6	2.7	-5.6	7.3
PSYCHIATRY	65	51	42	29	30	-21.5	-17.6	-31.0	3.4
PULMONARY DISEASE	32	3	0	2	4	-90.6	-100.0	**	100.0
RADIOLOGY	101	100	81	79	51	-1.0	-19.0	-2.5	-35.4
SPEECH PATH/AUDIOLOGY	1,791	1,975	1,802	1,821	1,729	10.3	-8.8	1.1	-5.1
SURGERY	42	32	34	20	14	-23.8	6.3	-41.2	-30.0
VETERINARY SCIENCES	183	196	249	254	196	7.1	27.0	2.0	-22.8
CLINICAL MEDICINE, N.E.C.	475	179	177	257	251	-62.3	-1.1	45.2	-2.3
HEALTH RELATED, N.E.C.	780	760	720	824	1,120	-2.6	-5.3	14.4	35.9
PSYCHOLOGY	5,877	5,794	6,066	6,072	5,529	-1.4	4.7	.1	-8.9
SOCIAL SCIENCES	17,731	19,812	18,776	19,949	18,233	11.7	-5.2	6.2	-8.6
AGRICULTURAL ECONOMICS	622	718	735	761	698	15.4	2.4	3.5	-8.3
ANTHROPOLOGY	1,361	1,266	1,334	1,326	1,137	-7.0	5.4	-.6	-14.3
ECONOMICS (EXCEPT AGRICULTURAL)	2,574	3,097	2,796	2,894	2,810	20.3	-9.7	3.5	-2.9
GEOGRAPHY	728	816	821	787	681	12.1	.6	-4.1	-13.5
HISTORY AND PHILOSOPHY OF SCIENCE	74	62	73	60	53	-16.2	17.7	-17.8	-11.7
LINGUISTICS	1,142	1,275	1,329	1,162	947	11.6	4.2	-12.6	-18.5
POLITICAL SCIENCE	4,563	5,309	4,847	5,537	4,524	16.3	-8.7	10.1	-15.2
SOCIOLOGY	2,871	2,948	2,628	2,589	2,283	2.7	-10.9	-1.5	-11.8
SOCIOLOGY/ANTHROPOLOGY	366	411	275	289	218	12.3	-33.1	5.1	-24.6
SOCIAL SCIENCES, N.E.C.	3,430	3,910	3,938	4,744	4,882	14.0	.7	20.5	2.9

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-11. FULL-TIME GRADUATE STUDENTS BEYOND FIRST YEAR IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	122,141	131,856	136,366	137,877	142,892	8.0	3.4	1.1	3.6
ENGINEERING	19,008	20,613	20,581	20,960	22,528	8.4	-.2	1.8	7.5
AERONAUTICAL	826	751	730	750	715	-9.1	-2.8	2.7	-4.7
AGRICULTURAL	285	318	376	414	460	11.6	18.2	10.1	11.1
BIOMEDICAL	392	498	443	444	454	27.0	-11.0	.2	2.3
CHEMICAL	2,048	2,158	2,167	2,309	2,540	5.4	.4	6.6	10.0
CIVIL	2,762	3,310	3,026	3,108	3,681	19.8	-8.6	2.7	18.4
ELECTRICAL	4,315	4,510	4,590	4,767	4,948	4.5	1.8	3.9	3.8
ENGINEERING SCIENCE	1,027	1,164	1,106	1,027	1,026	13.3	-5.0	-7.1	-.1
INDUSTRIAL	2,008	2,237	2,107	1,932	2,087	11.4	-5.8	-8.3	8.0
MECHANICAL	2,365	2,360	2,442	2,447	2,688	-.2	3.5	.2	9.8
METALLURGICAL/MATERIALS	1,162	1,245	1,329	1,383	1,404	7.1	6.7	4.1	1.5
MINING	162	186	221	275	282	14.8	18.8	24.4	2.5
NUCLEAR	592	702	818	775	793	18.6	16.5	-5.3	2.3
PETROLEUM	163	154	167	198	252	-5.5	8.4	18.6	27.3
ENGINEERING, N.E.C.	901	1,020	1,059	1,131	1,198	13.2	3.8	6.8	5.9
PHYSICAL SCIENCES	15,563	15,416	15,681	15,708	15,875	-.9	1.7	.2	1.1
ASTRONOMY	439	453	423	377	386	3.2	-6.6	-10.9	2.4
CHEMISTRY	8,390	8,411	8,682	8,830	9,130	.3	3.2	1.7	3.4
PHYSICS	6,669	6,494	6,521	6,440	6,311	-2.6	.4	-1.2	-2.0
PHYSICAL SCIENCES, N.E.C.	65	58	55	61	48	-10.8	-5.2	10.9	-21.3
ENVIRONMENTAL SCIENCES	5,388	5,588	6,098	6,343	6,614	3.7	9.1	4.0	4.3
ATMOSPHERIC SCIENCES	547	568	600	564	556	3.8	5.6	-6.0	-1.4
GEOSCIENCES	3,442	3,577	3,899	4,065	4,317	3.9	9.0	4.3	6.2
OCEANOGRAPHY	1,188	1,187	1,230	1,280	1,248	-.1	3.6	4.1	-2.5
ENVIRONMENTAL SCIENCES, N.E.C.	211	256	369	434	493	21.3	44.1	17.6	13.6
MATHEMATICAL SCIENCES	8,445	8,526	9,178	8,649	8,878	1.0	7.6	-5.8	2.6
COMPUTER SCIENCE	2,246	2,282	2,741	2,551	2,812	1.6	20.1	-6.9	10.2
MATHEMATICS AND APPLIED MATHEMATICS	5,374	5,330	5,435	5,072	5,069	-.8	2.0	-6.7	-.1
STATISTICS	825	914	1,002	1,026	997	10.8	9.6	2.4	-2.8
LIFE SCIENCES	32,993	36,373	38,375	40,123	42,478	10.2	5.5	4.6	5.9
AGRICULTURAL SCIENCES	4,985	5,593	6,097	6,446	6,834	12.2	9.0	5.7	6.0
BIOLOGICAL SCIENCES	21,755	23,352	24,273	25,012	25,653	7.3	3.9	3.0	2.6
ANATOMY	659	711	755	794	815	7.9	6.2	5.2	2.6
BIOCHEMISTRY	2,487	2,432	2,520	2,624	2,770	-2.2	3.6	4.1	5.6
BIOLOGY	4,925	5,695	5,802	5,835	5,855	15.6	1.9	.6	.3
BIOMETRY/EPIDEMIOLOGY	330	371	331	446	468	12.4	-10.8	34.7	4.9
BIOPHYSICS	487	539	530	493	457	10.7	-1.7	-7.0	-7.3
BOTANY	1,608	1,624	1,692	1,853	1,893	1.0	4.2	9.5	2.2
CELL BIOLOGY	361	368	381	401	455	1.9	3.5	5.2	13.5
ECOLOGY	352	446	542	635	657	26.7	21.5	17.2	3.5
ENTOMOLOGY/PARASITOLOGY	866	886	996	978	1,087	2.3	12.4	-1.8	11.1
GENETICS	534	533	547	632	641	-.2	2.6	15.5	1.4
MICROBIOLOGY	2,210	2,379	2,471	2,541	2,533	7.6	3.9	2.8	-.3
NUTRITION	1,225	1,247	1,420	1,528	1,663	1.8	13.9	7.6	8.8
PATHOLOGY	554	617	659	654	717	11.4	3.6	2.3	9.6
PHARMACOLOGY	874	1,050	1,145	1,227	1,329	20.1	9.0	7.2	8.3
PHYSIOLOGY	1,313	1,443	1,440	1,408	1,411	9.9	-.2	-2.2	.2
ZOOLOGY	2,119	2,180	2,045	1,920	1,783	2.9	-6.2	-6.1	-7.1
BIOSCIENCES, N.E.C.	851	831	1,017	1,043	1,119	-2.4	22.4	2.6	7.3
HEALTH SCIENCES	6,253	7,428	8,005	8,665	9,991	18.8	7.8	8.2	15.3
ANESTHESIOLOGY	27	36	4	0	3	33.3	-88.9	-100.0	**
CARDIOLOGY	26	10	0	2	3	-61.5	-100.0	**	50.0
CLINICAL PHARMACOLOGY	1	0	17	1	5	-100.0	**	-94.1	400.0
DENTISTRY	475	647	597	623	605	36.2	-7.7	4.4	-2.9
ENDOCRINOLOGY	21	34	20	22	25	61.9	-41.2	10.0	13.6
GASTROENTEROLOGY	28	5	4	4	5	-82.1	-20.0	.0	25.0
HEMATOLOGY	16	0	2	5	6	-100.0	**	150.0	20.0
NEUROLOGY	105	152	129	130	149	44.8	-15.1	.8	14.6
NURSING	731	1,163	1,450	2,094	2,561	59.1	24.7	44.4	22.3
OBSTETRICS/GYNECOLOGY	35	30	30	14	15	-14.3	.0	-53.3	7.1
OPHTHALMOLOGY	24	19	6	8	1	-20.8	-68.4	33.3	-87.5
OTORHINOLARYNGOLOGY	55	38	42	35	32	-30.9	10.5	-16.7	-8.6
PEDIATRICS	63	45	29	26	35	-28.6	-35.6	-10.3	34.6
PHARMACEUTICAL SCIENCES	854	955	939	1,011	1,075	11.8	-1.7	7.7	6.3
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	981	1,118	1,270	1,224	1,468	14.0	13.6	-3.6	19.9
PSYCHIATRY	140	117	100	115	102	-16.4	-14.5	15.0	-11.3
PULMONARY DISEASE	15	4	0	1	6	-73.3	-100.0	**	500.0
RADIOLOGY	131	145	118	138	142	10.7	-18.6	16.9	2.9
SPEECH PATH/AUDIOLOGY	993	1,542	1,686	1,726	2,015	55.3	9.3	2.4	16.7
SURGERY	65	82	73	63	62	26.2	-11.0	-13.7	-1.6
VETERINARY SCIENCES	323	333	349	421	431	3.1	4.8	20.6	2.4
CLINICAL MEDICINE, N.E.C.	495	227	197	290	273	-54.1	-13.2	47.2	-5.9
HEALTH RELATED, N.E.C.	649	726	943	712	972	11.9	29.9	-24.5	36.5
PSYCHOLOGY	12,851	13,910	15,480	15,224	15,148	8.2	11.3	-1.7	-.5
SOCIAL SCIENCES	27,893	31,430	30,973	30,870	31,371	12.7	-1.5	-.3	1.6
AGRICULTURAL ECONOMICS	990	1,207	1,238	1,225	1,324	21.9	2.6	-1.1	8.1
ANTHROPOLOGY	3,236	3,567	3,557	3,597	3,387	10.2	-.3	1.1	-5.8
ECONOMICS (EXCEPT AGRICULTURAL)	4,319	5,165	4,799	5,050	5,258	19.6	-7.1	5.2	4.1
GEOGRAPHY	1,273	1,338	1,385	1,289	1,337	5.1	3.5	-6.9	3.7
HISTORY AND PHILOSOPHY OF SCIENCE	173	197	197	197	188	13.9	.0	.0	-4.6
LINGUISTICS	1,447	1,779	1,824	1,764	1,779	22.9	2.5	-3.3	.9
POLITICAL SCIENCE	6,424	7,495	7,145	6,906	7,302	16.7	-4.7	-3.3	5.7
SOCIOLOGY	5,330	5,609	5,483	5,001	4,677	5.2	-2.2	-8.8	-6.5
SOCIOLOGY/ANTHROPOLOGY	584	640	454	507	396	9.6	-29.1	11.7	-21.9
SOCIAL SCIENCES, N.E.C.	4,117	4,433	4,891	5,334	5,723	7.7	10.3	9.1	7.3

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-12. FULL-TIME GRADUATE STUDENTS SUPPORTED BY FEDERAL SOURCES IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	48,016	48,304	48,642	50,530	51,373	0.6	0.7	3.9	1.7
ENGINEERING	10,164	10,245	10,482	10,667	10,625	.8	2.3	1.8	-.4
AERONAUTICAL	666	600	519	584	490	-9.9	-13.5	12.5	-16.1
AGRICULTURAL	109	135	101	162	160	23.9	-25.2	60.4	-1.2
BIOMEDICAL	271	286	268	212	231	5.5	-6.3	-20.9	9.0
CHEMICAL	895	1,071	1,138	1,212	1,220	19.7	6.3	6.5	.7
CIVIL	1,762	1,629	1,583	1,492	1,523	-7.5	-2.8	-5.7	2.1
ELECTRICAL	2,260	2,258	2,221	2,376	2,365	-.1	-1.6	7.0	-.5
ENGINEERING SCIENCE	758	697	658	534	493	-8.0	-5.6	-18.8	-7.7
INDUSTRIAL	876	700	748	775	776	-20.1	6.9	3.6	.1
MECHANICAL	1,116	1,216	1,341	1,326	1,333	9.0	10.3	-1.1	.5
METALLURGICAL/MATERIALS	815	867	962	979	1,021	6.4	11.0	1.8	4.3
MINING	91	135	195	223	200	48.4	44.4	14.4	-10.3
NUCLEAR	290	349	359	324	387	20.3	2.9	-9.7	19.4
PETROLEUM	24	43	64	84	67	79.2	48.8	31.3	-20.2
ENGINEERING, N.E.C.	231	289	325	384	359	12.1	25.5	18.2	-6.5
PHYSICAL SCIENCES	6,233	6,300	6,455	6,631	7,012	1.1	2.5	2.7	5.7
ASTRONOMY	214	203	211	188	211	-5.1	3.9	-10.9	12.2
CHEMISTRY	2,849	3,069	3,205	3,323	3,613	7.7	4.4	3.7	8.7
PHYSICS	3,148	2,999	3,029	3,100	3,177	-4.7	1.0	2.3	2.5
PHYSICAL SCIENCES, N.E.C.	22	29	10	20	11	31.8	-65.5	100.0	-45.0
ENVIRONMENTAL SCIENCES	2,635	2,673	2,876	3,045	3,111	1.4	7.6	5.9	2.2
ATMOSPHERIC SCIENCES	524	528	578	590	547	.8	9.5	2.1	-7.3
GEOSCIENCES	1,136	1,211	1,375	1,521	1,564	6.6	13.5	10.6	2.8
OCEANOGRAPHY	804	811	780	769	828	.9	-3.8	-1.4	7.7
ENVIRONMENTAL SCIENCES, N.E.C.	171	123	143	165	172	-28.1	16.3	15.4	4.2
MATHEMATICAL SCIENCES	1,393	1,285	1,293	1,285	1,307	-7.8	.6	-.6	1.7
COMPUTER SCIENCE	705	732	704	705	735	3.8	-3.8	.1	4.3
MATHEMATICS AND APPLIED MATHEMATICS	466	385	407	378	394	-17.4	5.7	-7.1	4.2
STATISTICS	222	168	182	202	178	-24.3	8.3	11.0	-11.9
LIFE SCIENCES	16,757	17,631	17,763	18,944	19,659	5.2	.7	6.6	3.8
AGRICULTURAL SCIENCES	1,699	1,783	1,755	1,767	1,828	4.9	-1.6	.7	3.5
BIOLOGICAL SCIENCES	9,850	10,137	9,932	10,110	10,341	2.9	-2.0	1.8	2.3
ANATOMY	339	314	275	269	281	-7.4	-12.4	-2.2	4.5
BIOCHEMISTRY	1,769	1,598	1,628	1,723	1,672	-9.7	1.9	5.8	-3.0
BIOLOGY	1,332	1,521	1,569	1,564	1,686	14.2	3.2	-.3	7.8
BIOMETRY/EPIDEMIOLOGY	283	298	246	278	334	5.3	-17.4	13.0	20.1
BIOPHYSICS	380	398	383	357	324	4.7	-3.8	-6.8	-9.2
BOTANY	323	344	381	441	462	6.5	10.8	15.7	4.8
CELL BIOLOGY	237	249	213	306	357	5.1	-14.5	43.7	16.7
ECOLOGY	107	126	152	142	199	17.8	20.6	-6.6	40.1
ENTOMOLOGY/PARASITOLOGY	331	337	315	298	268	1.8	-6.5	-5.4	-10.1
GENETICS	330	394	329	398	384	19.4	-16.5	21.0	-3.5
MICROBIOLOGY	1,190	1,276	1,238	1,202	1,223	7.2	-3.0	-2.9	1.7
NUTRITION	606	554	559	591	552	-8.6	.9	5.7	-6.6
PATHOLOGY	398	370	343	290	269	-7.0	-7.3	-15.5	-7.2
PHARMACOLOGY	655	757	767	743	787	15.6	1.3	-3.1	5.9
PHYSIOLOGY	741	714	631	665	646	-3.6	-11.6	5.4	-2.9
ZOOLOGY	466	488	445	396	391	4.7	-8.8	-11.0	-1.3
BIOSCIENCES, N.E.C.	363	399	458	447	506	9.9	14.8	-2.4	13.2
HEALTH SCIENCES	5,208	5,711	6,076	7,067	7,490	9.7	6.4	16.3	6.0
ANESTHESIOLOGY	13	5	2	0	0	-61.5	-60.0	-100.0	**
CARDIOLOGY	22	19	0	2	2	-13.6	-100.0	**	.0
CLINICAL PHARMACOLOGY	1	2	19	4	4	100.0	850.0	-78.9	.0
DENTISTRY	113	161	139	135	157	42.5	-13.7	-2.9	16.3
ENDOCRINOLOGY	8	17	12	10	12	112.5	-29.4	-16.7	20.0
GASTROENTEROLOGY	25	8	6	5	1	-68.0	-25.0	-16.7	-80.0
HEMATOLOGY	15	0	0	0	1	-100.0	**	**	**
NEUROLOGY	60	109	83	90	103	81.7	-23.9	8.4	14.4
NURSING	1,413	1,896	2,650	3,618	3,674	34.2	39.8	36.5	1.5
OBSTETRICS/GYNECOLOGY	31	21	23	17	12	-32.3	9.5	-26.1	-29.4
OPHTHALMOLOGY	17	10	6	6	1	-41.2	-40.0	.0	-83.3
OTORHINOLARYNGOLOGY	42	28	26	14	9	-33.3	-7.1	-46.2	-35.7
PEDIATRICS	86	62	62	43	41	-27.9	.0	-30.6	-4.7
PHARMACEUTICAL SCIENCES	294	318	305	334	291	8.2	-4.1	9.5	-12.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,119	1,347	1,302	1,187	1,433	20.4	-3.3	-8.8	20.7
PSYCHIATRY	116	92	29	29	26	-55.2	-44.2	.0	-10.3
PULMONARY DISEASE	25	5	0	0	0	-80.0	-100.0	**	**
RADIOLOGY	111	106	82	83	66	-4.5	-22.6	1.2	-20.5
SPEECH PATH/AUDIOLOGY	727	749	696	772	713	3.0	-7.1	10.9	-7.6
SURGERY	38	31	29	18	7	-18.4	-6.5	-37.9	-61.1
VETERINARY SCIENCES	123	132	113	126	119	7.3	-14.4	11.5	-5.6
CLINICAL MEDICINE, N.E.C.	399	120	67	121	97	-69.9	-44.2	80.6	-19.8
HEALTH RELATED, N.E.C.	410	513	425	453	721	25.1	-17.2	6.6	59.2
PSYCHOLOGY	4,404	4,317	4,071	3,961	3,943	-2.0	-5.7	-2.7	-.5
SOCIAL SCIENCES	6,430	5,853	5,702	5,997	5,716	-9.0	-2.6	5.2	-4.7
AGRICULTURAL ECONOMICS	419	463	424	495	507	10.5	-8.4	16.7	2.4
ANTHROPOLOGY	638	626	582	548	512	-1.9	-7.0	-5.8	-6.6
ECONOMICS (EXCEPT AGRICULTURAL)	694	631	530	592	499	-9.1	-16.0	11.7	-15.7
GEOGRAPHY	186	151	176	165	152	-18.8	16.6	-6.3	-7.9
HISTORY AND PHILOSOPHY OF SCIENCE	10	15	18	14	8	50.0	20.0	-22.2	-42.9
LINGUISTICS	356	258	292	270	224	-27.5	13.2	-7.5	-17.0
POLITICAL SCIENCE	936	748	860	1,158	1,156	-20.1	15.0	34.7	-.2
SOCIOLOGY	1,368	1,243	1,113	948	924	-9.1	-10.5	-14.8	-2.5
SOCIOLOGY/ANTHROPOLOGY	122	115	83	79	50	-5.7	-27.8	-4.8	-36.7
SOCIAL SCIENCES, N.E.C.	1,701	1,603	1,624	1,728	1,684	-5.8	1.3	6.4	-2.5

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-13. FULL-TIME GRADUATE STUDENTS SUPPORTED BY INSTITUTIONAL SOURCES 1/ IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	75,411	77,369	79,582	80,845	80,123	2.6	2.9	1.6	-0.9
ENGINEERING	10,062	10,247	10,473	10,586	10,496	1.8	2.2	1.1	-.9
AERONAUTICAL	342	317	319	271	328	-7.3	.6	-15.0	21.0
AGRICULTURAL	212	247	252	238	259	16.5	2.0	-5.6	8.8
BIOMEDICAL	146	169	163	178	167	15.8	-3.6	9.2	-6.2
CHEMICAL	1,117	1,061	1,161	1,222	1,296	-5.0	9.4	5.3	6.1
CIVIL	1,503	1,715	1,763	1,904	1,822	14.1	2.8	8.0	-4.3
ELECTRICAL	2,280	2,453	2,428	2,300	2,308	7.6	-1.0	-5.3	.3
ENGINEERING SCIENCE	456	472	549	551	547	3.5	16.3	.4	-.7
INDUSTRIAL	1,019	1,009	1,044	995	937	-1.0	3.5	-4.7	-5.8
MECHANICAL	1,480	1,314	1,404	1,422	1,442	-11.2	6.8	1.3	1.4
METALLURGICAL/MATERIALS	400	438	366	391	408	9.5	-16.4	6.8	4.3
MINING	89	72	64	65	86	-19.1	-11.1	1.6	32.3
NUCLEAR	358	398	367	387	252	11.2	-7.8	5.4	-34.9
PETROLEUM	55	53	53	67	76	-3.6	.0	26.4	13.4
ENGINEERING, N.E.C.	605	529	540	595	568	-12.6	2.1	10.2	-4.5
PHYSICAL SCIENCES	12,082	12,078	12,273	12,307	11,814	*	1.6	.3	-4.0
ASTRONOMY	253	254	223	226	207	.4	-12.2	1.3	-8.4
CHEMISTRY	7,187	7,290	7,554	7,645	7,421	1.4	3.6	1.2	-2.9
PHYSICS	4,599	4,484	4,446	4,401	4,141	-2.5	-.8	-1.0	-5.9
PHYSICAL SCIENCES, N.E.C.	43	50	50	35	45	16.3	.0	-30.0	28.6
ENVIRONMENTAL SCIENCES	2,979	3,161	3,430	3,514	3,443	6.1	8.5	2.4	-2.0
ATMOSPHERIC SCIENCES	169	185	155	138	134	9.5	-16.2	-11.0	-2.9
GEOSCIENCES	2,322	2,369	2,608	2,596	2,515	2.0	10.1	-.5	-3.1
OCEANOGRAPHY	350	402	404	465	403	14.9	.5	15.1	-13.3
ENVIRONMENTAL SCIENCES, N.E.C.	138	205	263	315	393	48.6	28.3	19.8	24.8
MATHEMATICAL SCIENCES	8,036	8,109	8,265	8,040	7,987	.9	1.9	-2.7	-.7
COMPUTER SCIENCE	1,286	1,411	1,544	1,542	1,546	9.7	9.4	-.1	.3
MATHEMATICS AND APPLIED MATHEMATICS	6,057	5,931	5,919	5,695	5,607	-2.1	-.2	-3.8	-1.5
STATISTICS	693	767	802	803	834	10.7	4.6	.1	3.9
LIFE SCIENCES	18,987	19,860	20,831	21,635	21,504	4.6	4.9	3.9	-.6
AGRICULTURAL SCIENCES	2,951	3,245	3,512	3,577	3,600	10.0	8.2	1.9	.6
BIOLOGICAL SCIENCES	13,182	13,726	14,327	14,898	14,601	4.1	4.4	4.0	-2.0
ANATOMY	389	412	457	517	506	5.9	10.9	13.1	-2.1
BIOCHEMISTRY	1,049	1,113	1,159	1,195	1,259	6.1	4.1	3.1	5.4
BIOLOGY	3,771	4,043	4,267	4,392	4,190	7.2	5.5	2.9	-4.6
BIOMETRY/EPIDEMIOLOGY	73	94	99	146	154	28.8	5.3	47.5	5.5
BIOPHYSICS	166	197	168	160	111	18.7	-14.7	-4.8	-30.6
BOTANY	1,360	1,316	1,373	1,354	1,366	-3.2	4.3	-1.4	.9
CELL BIOLOGY	170	221	227	205	197	30.0	2.7	-9.7	-3.9
ECOLOGY	228	276	372	379	378	21.1	34.8	1.9	-.3
ENTOMOLOGY/PARASITOLOGY	507	515	539	549	653	1.6	4.7	1.9	18.9
GENETICS	199	180	216	237	269	-9.5	20.0	9.7	13.5
MICROBIOLOGY	1,261	1,313	1,390	1,505	1,327	4.1	5.9	8.3	-11.8
NUTRITION	664	649	621	792	761	-2.3	-4.3	27.5	-3.9
PATHOLOGY	175	198	234	256	308	13.1	18.2	9.4	20.3
PHARMACOLOGY	400	424	479	478	544	6.0	13.0	-.2	13.8
PHYSIOLOGY	635	697	752	731	711	9.8	7.9	-2.8	-2.7
ZOOLOGY	1,781	1,691	1,565	1,529	1,431	-5.1	-7.5	-2.3	-6.4
BIOSCIENCES, N.E.C.	354	387	409	473	436	9.3	5.7	15.6	-7.8
HEALTH SCIENCES	2,854	2,889	2,992	3,160	3,303	1.2	3.6	5.6	4.5
ANESTHESIOLOGY	46	49	3	2	6	6.5	-93.9	-33.3	200.0
CARDIOLOGY	19	0	0	1	1	-100.0	**	**	.0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	237	344	342	363	352	45.1	-.6	6.1	-3.0
ENDOCRINOLOGY	12	13	14	7	9	8.3	7.7	-50.0	28.6
GASTROENTEROLOGY	10	3	2	2	4	-70.0	-33.3	.0	100.0
HEMATOLOGY	7	0	1	5	5	-100.0	**	400.0	.0
NEUROLOGY	58	64	53	59	54	10.3	-17.2	11.3	-8.5
NURSING	117	130	181	253	277	11.1	39.2	39.8	9.5
OBSTETRICS/GYNECOLOGY	17	22	14	5	6	29.4	-36.4	-64.3	20.0
OPHTHALMOLOGY	16	12	2	2	1	-25.0	-83.3	.0	-50.0
OTORHINOLARYNGOLOGY	23	15	25	23	18	-34.8	66.7	-8.0	-21.7
PEDIATRICS	15	24	22	14	9	60.0	-8.3	-36.4	-35.7
PHARMACEUTICAL SCIENCES	690	700	734	756	763	1.4	4.9	3.0	.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	260	201	325	286	306	-22.7	61.7	-12.0	7.0
PSYCHIATRY	40	34	38	59	63	-15.0	11.8	55.3	6.8
PULMONARY DISEASE	9	1	0	3	7	-88.9	-100.0	**	133.3
RADIOLOGY	33	43	54	38	44	30.3	25.6	-29.6	15.8
SPEECH PATH/AUDIOLOGY	601	661	602	621	694	10.0	-8.9	3.2	11.8
SURGERY	56	79	68	60	61	41.1	-13.9	-11.8	1.7
VETERINARY SCIENCES	202	208	227	276	257	3.0	9.1	21.6	-6.9
CLINICAL MEDICINE, N.E.C.	206	108	110	164	127	-47.6	1.9	49.1	-22.6
HEALTH RELATED, N.E.C.	180	178	175	161	239	-1.1	-1.7	-8.0	48.4
PSYCHOLOGY	6,872	6,960	7,339	7,457	7,425	1.3	5.4	1.6	-.4
SOCIAL SCIENCES	16,393	16,954	16,971	17,306	17,452	3.4	.1	2.0	.8
AGRICULTURAL ECONOMICS	640	721	777	733	692	12.7	7.8	-5.7	-5.6
ANTHROPOLOGY	1,666	1,543	1,601	1,587	1,575	-7.4	3.8	-.9	-.8
ECONOMICS (EXCEPT AGRICULTURAL)	3,279	3,483	3,556	3,644	3,728	6.2	2.1	2.5	2.3
GEOGRAPHY	1,040	1,074	1,036	1,083	1,044	3.3	-3.5	4.5	-3.6
HISTORY AND PHILOSOPHY OF SCIENCE	116	130	144	135	130	12.1	10.8	-6.3	-3.7
LINGUISTICS	1,077	1,152	1,253	1,324	1,371	7.0	8.8	5.7	3.5
POLITICAL SCIENCE	3,863	3,866	3,746	3,731	3,686	.1	-3.1	-.4	-1.2
SOCIOLOGY	3,095	3,086	3,105	3,104	3,003	-.3	.6	*	-3.3
SOCIOLOGY/ANTHROPOLOGY	338	389	362	360	343	15.1	-6.9	-.6	-4.7
SOCIAL SCIENCES, N.E.C.	1,279	1,510	1,391	1,605	1,880	18.1	-7.9	15.4	17.1

1/ INCLUDES SUPPORT FROM STATE AND LOCAL GOVERNMENTS.
* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-14. FULL-TIME GRADUATE STUDENTS SUPPORTED BY OTHER OUTSIDE SOURCES 1/ IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	16,403	16,868	17,694	18,249	19,259	2.8	4.9	3.1	5.5
ENGINEERING	4,369	4,511	4,864	5,136	5,322	3.3	7.8	5.6	3.6
AERONAUTICAL	125	145	127	140	142	16.0	-12.4	10.2	1.4
AGRICULTURAL	125	120	172	167	189	-4.0	43.3	-2.9	13.2
BIOMEDICAL	27	28	23	25	36	3.7	-17.9	8.7	44.0
CHEMICAL	735	747	735	791	720	1.6	-1.6	7.6	-9.0
CIVIL	796	736	754	773	784	-7.5	2.4	2.5	1.4
ELECTRICAL	764	821	907	1,054	1,165	7.5	10.5	16.2	10.5
ENGINEERING SCIENCE	162	110	131	141	132	-32.1	19.1	7.6	-6.4
INDUSTRIAL	300	446	505	460	560	48.7	13.2	-8.9	21.7
MECHANICAL	540	517	482	597	668	-4.3	-6.8	23.9	11.9
METALLURGICAL/MATERIALS	303	312	369	384	335	3.0	18.3	4.1	-11.7
MINING	56	87	86	73	47	19.6	28.4	-15.1	-35.6
NUCLEAR	133	194	226	223	256	45.9	16.5	-1.3	14.8
PETROLEUM	122	123	176	151	143	.8	43.1	-14.2	-5.3
ENGINEERING, N.E.C.	181	145	171	157	141	-19.9	17.9	-8.2	-10.2
PHYSICAL SCIENCES	1,312	1,191	1,328	1,353	1,346	-9.2	11.5	1.9	-.5
ASTRONOMY	30	43	32	39	26	43.3	-25.6	21.9	-33.3
CHEMISTRY	905	735	803	847	850	-18.8	9.3	5.5	.4
PHYSICS	367	408	485	464	466	11.2	18.9	-4.3	.4
PHYSICAL SCIENCES, N.E.C.	10	5	8	3	4	-50.0	60.0	-62.5	33.3
ENVIRONMENTAL SCIENCES	710	724	746	754	848	2.0	3.0	1.1	12.5
ATMOSPHERIC SCIENCES	59	54	52	36	36	-8.5	-3.7	-30.8	.0
GEOSCIENCES	452	479	493	542	595	6.0	2.9	9.9	9.8
OCEANOGRAPHY	157	128	140	112	139	-18.5	9.4	-20.0	24.1
ENVIRONMENTAL SCIENCES, N.E.C.	42	63	61	64	78	50.0	-3.2	4.9	21.9
MATHEMATICAL SCIENCES	634	767	802	788	819	21.0	4.6	-1.7	3.9
COMPUTER SCIENCE	253	350	292	303	391	38.3	-16.6	3.8	29.0
MATHEMATICS AND APPLIED MATHEMATICS	268	306	357	352	306	14.2	16.7	-1.4	-13.1
STATISTICS	113	111	153	133	122	-1.8	37.8	-13.1	-8.3
LIFE SCIENCES	4,597	4,800	5,212	5,377	5,717	4.4	8.6	3.2	6.3
AGRICULTURAL SCIENCES	1,503	1,721	1,894	1,997	1,942	14.5	10.1	5.4	-2.8
BIOLOGICAL SCIENCES	2,131	2,225	2,412	2,406	2,629	4.4	8.4	-.2	9.3
ANATOMY	37	36	37	51	59	-2.7	2.8	37.8	15.7
BIOCHEMISTRY	234	246	268	237	240	5.1	8.9	-11.6	1.3
BIOLOGY	264	386	396	416	386	46.2	2.6	5.1	-7.2
BIOMETRY/EPIDEMIOLOGY	50	36	56	43	51	-28.0	55.6	-23.2	18.6
BIOPHYSICS	30	30	26	38	43	.0	-13.3	46.2	13.2
BOTANY	198	204	239	236	265	3.0	17.2	-1.3	12.3
CELL BIOLOGY	19	11	22	17	26	-42.1	100.0	-22.7	52.9
ECOLOGY	55	40	38	40	60	-27.3	-5.0	5.3	50.0
ENTOMOLOGY/PARASITOLOGY	159	220	217	216	237	38.4	-1.4	-.5	9.7
GENETICS	78	45	57	84	64	-42.3	26.7	47.4	-23.8
MICROBIOLOGY	216	176	196	177	227	-18.5	11.4	-9.7	28.2
NUTRITION	290	254	329	327	385	-12.4	29.5	-.6	17.7
PATHOLOGY	68	78	100	81	81	14.7	28.2	-19.0	.0
PHARMACOLOGY	93	105	73	120	142	12.9	-30.5	64.4	18.3
PHYSIOLOGY	86	106	99	109	125	23.3	-6.6	10.1	14.7
ZOOLOGY	109	132	147	114	107	21.1	11.4	-22.4	-6.1
BIOSCIENCES, N.E.C.	145	120	112	100	131	-17.2	-6.7	-10.7	31.0
HEALTH SCIENCES	963	854	906	974	1,146	-11.3	6.1	7.5	17.7
ANESTHESIOLOGY	0	1	0	1	0	**	-100.0	**	-100.0
CARDIOLOGY	2	3	0	0	0	50.0	-100.0	**	**
CLINICAL PHARMACOLOGY	0	1	5	1	2	**	400.0	-80.0	100.0
DENTISTRY	140	69	119	80	94	-50.7	72.5	-32.8	17.5
ENDOCRINOLOGY	2	1	0	1	0	-50.0	-100.0	**	-100.0
GASTROENTEROLOGY	11	0	0	1	0	-100.0	**	**	-100.0
HEMATOLOGY	0	0	0	0	1	**	**	**	**
NEUROLOGY	10	6	6	11	11	-40.0	.0	83.3	.0
NURSING	24	40	62	141	203	66.7	55.0	127.4	44.0
OBSTETRICS/GYNECOLOGY	6	3	10	1	0	-50.0	233.3	-90.0	-100.0
OPHTHALMOLOGY	7	3	0	1	0	-57.1	-100.0	**	-100.0
OTORHINOLARYNGOLOGY	0	0	5	4	6	**	**	-20.0	50.0
PEDIATRICS	8	4	7	6	3	-50.0	75.0	-14.3	-50.0
PHARMACEUTICAL SCIENCES	145	149	158	150	190	2.8	6.0	-5.1	26.7
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	221	236	204	184	158	6.8	-13.6	-9.8	-14.1
PSYCHIATRY	18	10	15	6	5	-44.4	50.0	-60.0	-16.7
PULMONARY DISEASE	12	1	0	0	3	-91.7	-100.0	**	**
RADIOLOGY	18	12	14	20	17	5.6	-26.3	42.9	-15.0
SPEECH PATH/AUDIOLOGY	116	85	63	95	139	-26.7	-25.9	50.8	46.3
SURGERY	3	2	9	3	6	-33.3	350.0	-66.7	100.0
VETERINARY SCIENCES	81	78	102	118	113	-3.7	30.8	15.7	-4.2
CLINICAL MEDICINE, N.E.C.	61	35	33	52	20	-42.6	-5.7	57.6	-61.5
HEALTH RELATED, N.E.C.	78	108	94	98	175	38.5	-13.0	4.3	78.6
PSYCHOLOGY	1,114	1,183	1,270	1,289	1,574	6.2	7.4	1.5	22.1
SOCIAL SCIENCES	3,667	3,692	3,472	3,552	3,633	.7	-6.0	2.3	2.3
AGRICULTURAL ECONOMICS	229	264	244	336	340	15.3	-7.6	37.7	1.2
ANTHROPOLOGY	222	209	216	244	194	-5.9	3.3	13.0	-20.5
ECONOMICS (EXCEPT AGRICULTURAL)	752	816	969	945	983	8.5	18.8	-2.5	4.0
GEOGRAPHY	130	126	167	158	147	-3.1	32.5	-5.4	-7.0
HISTORY AND PHILOSOPHY OF SCIENCE	24	25	22	23	19	4.2	-12.0	4.5	-17.4
LINGUISTICS	153	163	133	149	164	6.5	-18.4	12.0	10.1
POLITICAL SCIENCE	837	716	838	721	698	-14.5	17.0	-14.0	-3.2
SOCIOLOGY	680	635	530	520	498	-6.6	-16.5	-1.9	-4.2
SOCIOLOGY/ANTHROPOLOGY	53	30	75	49	34	-5.7	50.0	-34.7	-30.6
SOCIAL SCIENCES, N.E.C.	587	688	278	407	556	17.2	-59.6	46.4	36.6

1/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, PRIVATE INDUSTRY, AND ALL OTHER U.S. AND FOREIGN SOURCES.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-15. SELF-SUPPORTED FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	56,085	69,012	68,948	68,801	66,833	23.0	-0.1	-0.2	-2.9
ENGINEERING	9,096	12,109	10,595	10,408	10,686	33.1	-12.5	-1.8	2.7
AERONAUTICAL	125	168	161	163	166	34.4	-4.2	1.2	1.8
AGRICULTURAL	42	75	116	125	100	78.6	54.7	7.8	-20.0
BIOMEDICAL	224	275	265	270	276	22.8	-3.6	1.9	2.2
CHEMICAL	571	711	703	791	829	24.5	-1.1	12.5	4.8
CIVIL	1,805	2,511	1,982	2,051	2,247	39.1	-21.1	3.5	9.6
ELECTRICAL	2,346	2,601	2,447	2,549	2,398	10.9	-5.9	4.2	-5.9
ENGINEERING SCIENCE	202	402	345	277	275	99.0	-14.2	-19.7	-.7
INDUSTRIAL	1,410	2,347	1,739	1,621	1,591	66.5	-25.9	-6.8	-1.9
MECHANICAL	1,077	1,377	1,242	1,125	1,159	27.9	-9.8	-9.4	3.0
METALLURGICAL/MATERIALS	176	203	194	222	226	15.3	-4.4	14.4	1.8
MINING	45	76	68	89	88	68.9	-10.5	30.9	-1.1
NUCLEAR	280	326	281	231	272	16.4	-13.8	-17.8	17.7
PETROLEUM	60	39	58	38	90	-35.0	48.7	-34.5	136.8
ENGINEERING, N.E.C.	733	998	994	856	969	36.2	-.4	-13.9	13.2
PHYSICAL SCIENCES	1,795	1,874	1,731	1,622	1,479	4.4	-7.6	-6.3	-8.8
ASTRONOMY	67	70	59	47	48	4.5	-15.7	-20.3	2.1
CHEMISTRY	762	872	797	736	746	14.4	-8.6	-7.7	1.4
PHYSICS	898	905	848	803	645	.8	-6.3	-5.3	-19.7
PHYSICAL SCIENCES, N.E.C.	68	27	27	36	40	-60.3	.0	33.3	11.1
ENVIRONMENTAL SCIENCES	1,903	2,140	2,269	2,302	2,320	12.5	6.0	1.5	.8
ATMOSPHERIC SCIENCES	95	125	103	110	107	31.6	-17.6	6.8	-2.7
GEOSCIENCES	1,350	1,556	1,546	1,533	1,602	15.3	-.6	-.8	4.5
OCEANOGRAPHY	389	310	379	399	349	-20.3	22.3	5.3	-12.5
ENVIRONMENTAL SCIENCES, N.E.C.	69	149	241	260	262	115.9	61.7	7.9	.8
MATHEMATICAL SCIENCES	3,360	3,701	3,950	3,684	3,593	10.1	6.7	-6.7	-2.5
COMPUTER SCIENCE	1,532	1,682	1,966	1,846	1,946	9.8	16.9	-6.1	5.4
MATHEMATICS AND APPLIED MATHEMATICS	1,587	1,622	1,626	1,475	1,356	2.2	.2	-9.3	-8.1
STATISTICS	241	397	358	363	291	64.7	-9.8	1.4	-19.8
LIFE SCIENCES	14,459	17,201	17,933	18,232	18,217	19.0	4.3	1.7	-.1
AGRICULTURAL SCIENCES	2,340	2,748	3,004	3,088	2,861	17.4	9.3	2.8	-7.4
BIOLOGICAL SCIENCES	7,245	8,661	8,534	8,391	8,009	19.5	-1.5	-1.7	-4.6
ANATOMY	202	242	277	228	209	19.8	14.5	-17.7	-8.3
BIOCHEMISTRY	391	425	368	371	444	8.7	-13.4	.8	19.7
BIOLOGY	2,235	2,927	2,648	2,426	2,063	31.0	-9.5	-8.4	-15.0
BIOMETRY/EPIDEMIOLOGY	153	161	121	190	194	5.2	-24.8	57.0	2.1
BIOPHYSICS	70	83	90	65	84	18.6	8.4	-27.8	29.2
BOTANY	437	447	463	554	462	2.3	3.6	19.7	-16.6
CELL BIOLOGY	36	60	42	24	30	66.7	-30.0	-42.9	25.0
ECOLOGY	122	214	162	255	207	75.4	-24.3	57.4	-18.8
ENTOMOLOGY/PARASITOLOGY	190	301	339	314	317	58.4	12.6	-7.4	1.0
GENETICS	129	138	163	165	138	7.0	18.1	1.2	-16.4
MICROBIOLOGY	680	713	688	681	622	4.9	-3.5	-1.0	-8.7
NUTRITION	583	698	818	896	993	19.7	17.2	9.5	10.8
PATHOLOGY	198	244	243	286	328	23.2	-.4	17.7	14.7
PHARMACOLOGY	159	231	267	294	278	45.3	15.6	10.1	-5.4
PHYSIOLOGY	519	568	489	451	462	9.4	-13.9	-7.8	2.4
ZOOLOGY	727	747	717	576	586	2.8	-4.0	-19.7	1.7
BIOSCIENCES, N.E.C.	414	462	639	615	592	11.6	38.3	-3.8	-3.7
HEALTH SCIENCES	4,874	5,792	6,395	6,753	7,347	18.8	10.4	5.6	8.8
ANESTHESIOLOGY	0	0	0	0	1	**	**	**	**
CARDIOLOGY	0	0	0	0	0	**	**	**	**
CLINICAL PHARMACOLOGY	0	0	0	0	0	**	**	**	**
DENTISTRY	369	549	443	494	466	48.8	-19.3	11.5	-5.7
ENDOCRINOLOGY	6	11	7	13	12	83.3	-36.4	85.7	-7.7
GASTROENTEROLOGY	0	0	0	0	0	**	**	**	**
HEMATOLOGY	0	3	2	0	1	**	-33.3	-100.0	**
NEUROLOGY	10	14	18	14	21	40.0	28.6	-22.2	50.0
NURSING	751	668	894	1,208	1,403	-11.1	33.8	35.1	16.1
OBSTETRICS/GYNECOLOGY	3	5	5	2	5	66.7	.0	-60.0	150.0
OPHTHALMOLOGY	1	0	0	0	0	-100.0	**	**	**
OTORHINOLARYNGOLOGY	1	7	8	15	12	600.0	14.3	87.5	-20.0
PEDIATRICS	10	21	26	23	29	110.0	23.8	-11.5	26.1
PHARMACEUTICAL SCIENCES	241	306	219	335	316	27.0	-28.4	53.0	-5.7
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	865	1,096	1,247	1,273	1,402	26.5	14.0	2.1	10.1
PSYCHIATRY	31	72	60	50	38	132.3	-16.7	-16.7	-24.0
PULMONARY DISEASE	1	0	0	0	0	-100.0	**	**	**
RADIOLOGY	70	77	49	76	66	10.0	-36.4	55.1	-13.2
SPEECH PATH/AUDIOLOGY	1,340	2,022	2,127	2,059	2,198	50.9	5.2	-3.2	6.8
SURGERY	10	2	1	2	2	-80.0	-50.0	100.0	.0
VETERINARY SCIENCES	100	111	156	155	138	11.0	40.5	-.6	-11.0
CLINICAL MEDICINE, N.E.C.	304	143	164	210	280	-53.0	14.7	28.0	33.3
HEALTH RELATED, N.E.C.	761	687	969	824	957	-9.7	41.0	-15.0	16.1
PSYCHOLOGY	6,338	7,244	8,866	8,589	7,735	14.3	22.4	-3.1	-9.9
SOCIAL SCIENCES	19,134	24,743	23,604	23,964	22,803	29.3	-4.6	1.5	-4.8
AGRICULTURAL ECONOMICS	324	477	528	422	483	47.2	10.7	-20.1	14.5
ANTHROPOLOGY	2,071	2,455	2,492	2,544	2,243	18.5	1.5	2.1	-11.8
ECONOMICS (EXCEPT AGRICULTURAL)	2,168	3,332	2,540	2,763	2,858	53.7	-23.8	8.8	3.4
GEOGRAPHY	645	803	827	670	675	24.5	3.0	-19.0	.7
HISTORY AND PHILOSOPHY OF SCIENCE	97	89	86	85	84	-8.2	-3.4	-1.2	-1.2
LINGUISTICS	1,003	1,481	1,475	1,183	967	47.7	-.4	-19.8	-18.3
POLITICAL SCIENCE	5,351	7,474	6,548	6,633	6,286	39.7	-12.4	1.3	-5.2
SOCIOLOGY	3,058	3,593	3,363	3,018	2,535	17.5	-6.4	-10.3	-16.0
SOCIOLOGY/ANTHROPOLOGY	437	497	209	308	187	13.7	-57.9	47.4	-39.3
SOCIAL SCIENCES, N.E.C.	3,980	4,542	5,536	6,338	6,485	14.1	21.9	14.5	2.3

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-16. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION: 1974-78

DIVISION AND STATE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
UNITED STATES TOTAL	195,915	211,553	214,866	218,425	217,588	8.0	1.6	1.7	-0.4
NEW ENGLAND	15,744	15,782	16,978	16,700	17,041	.2	7.6	-1.6	2.0
CONNECTICUT	2,927	2,820	3,111	3,044	3,039	-3.7	10.3	-2.2	-.2
MAINE	333	364	389	378	378	9.3	6.9	-2.8	.0
MASSACHUSETTS	10,040	10,316	11,224	11,020	11,397	2.7	8.8	-1.8	3.4
NEW HAMPSHIRE	662	587	601	632	536	-11.3	2.4	5.2	-16.1
RHODE ISLAND	1,311	1,317	1,268	1,281	1,353	.5	-3.7	1.0	5.6
VERMONT	471	378	385	345	344	-19.7	1.9	-10.4	-.3
MIDDLE ATLANTIC	29,151	31,912	30,915	31,472	30,967	9.5	-3.1	1.8	-1.6
NEW JERSEY	3,240	3,805	3,548	3,494	3,490	17.4	-6.8	-1.5	-.1
NEW YORK	18,242	19,948	18,661	19,150	18,796	9.4	-6.5	2.6	-1.8
PENNSYLVANIA	7,669	8,159	8,706	8,828	8,681	6.4	6.7	1.4	-1.7
EAST NORTH CENTRAL	41,986	43,545	43,721	43,860	42,906	3.7	.4	.3	-2.2
ILLINOIS	11,023	11,487	11,193	11,283	11,229	4.2	-2.6	.8	-.5
INDIANA	5,521	5,671	5,743	5,654	5,677	2.7	1.3	-1.5	.4
MICHIGAN	10,506	10,130	9,896	10,040	9,659	-3.6	-2.3	1.5	-3.8
OHIO	9,052	9,576	10,648	10,711	10,426	5.8	11.2	.6	-2.7
WISCONSIN	5,884	6,681	6,241	6,172	5,915	13.5	-6.6	-1.1	-4.2
WEST NORTH CENTRAL	14,590	16,544	17,057	16,919	16,677	13.4	3.1	-.8	-1.4
IOWA	2,481	2,942	3,140	3,101	3,199	18.6	6.7	-1.2	3.2
KANSAS	2,620	2,827	3,034	3,104	3,062	7.9	7.3	2.3	-1.4
MINNESOTA	3,961	4,508	4,291	4,102	4,099	13.8	-4.8	-4.4	-.1
MISSOURI	3,637	4,203	4,276	4,200	3,893	15.6	1.7	-1.8	-7.3
NEBRASKA	889	1,015	1,191	1,329	1,326	14.2	17.3	11.6	-.2
NORTH DAKOTA	571	631	701	687	633	10.5	11.1	-13.4	4.3
SOUTH DAKOTA	431	418	424	476	465	-3.0	1.4	12.3	-2.3
SOUTH ATLANTIC	26,160	28,455	28,072	29,251	29,243	8.8	-1.3	4.2	*
DELAWARE	570	590	572	630	635	3.5	-3.1	10.1	.8
DISTRICT OF COLUMBIA	2,857	3,792	3,229	3,754	3,499	32.7	-14.8	16.3	-6.8
FLORIDA	4,864	4,961	5,154	4,943	4,998	2.0	3.9	-4.1	1.1
GEORGIA	3,484	3,614	3,616	3,801	3,951	3.7	.1	5.1	3.9
MARYLAND	4,057	3,929	3,457	3,480	3,420	-3.2	-12.0	.7	-1.7
NORTH CAROLINA	4,558	4,808	4,844	5,141	5,192	5.5	.7	6.1	1.0
SOUTH CAROLINA	1,940	1,833	1,929	1,937	1,818	19.0	5.2	.4	-6.1
VIRGINIA	3,099	3,663	3,892	4,097	4,202	18.2	6.3	5.3	2.6
WEST VIRGINIA	1,131	1,265	1,379	1,468	1,528	11.8	9.0	6.5	4.1
EAST SOUTH CENTRAL	7,318	8,424	8,852	9,285	9,261	15.1	5.1	4.9	-.3
ALABAMA	1,436	1,635	1,865	2,080	2,292	13.9	14.1	11.5	10.2
KENTUCKY	1,497	1,700	1,725	1,774	1,738	13.6	1.5	2.8	-2.0
MISSISSIPPI	1,121	1,411	1,434	1,482	1,546	25.9	1.6	3.3	4.3
TENNESSEE	3,264	3,678	3,828	3,949	3,685	12.7	4.1	3.2	-6.7
WEST SOUTH CENTRAL	15,692	16,375	17,272	18,238	18,595	4.4	5.5	5.6	2.0
ARKANSAS	653	695	753	781	744	6.4	8.3	3.7	-4.7
LOUISIANA	2,296	2,068	2,063	2,226	2,502	-9.9	-.2	7.9	12.4
OKLAHOMA	2,503	2,464	2,437	2,677	2,663	-1.6	-1.1	9.8	-.5
TEXAS	10,240	11,148	12,019	12,554	12,686	8.9	7.8	4.5	1.1
MOUNTAIN	13,597	15,814	15,606	15,229	15,274	16.3	-1.3	-2.4	.3
ARIZONA	3,256	3,372	3,455	3,410	3,457	3.6	2.5	-1.3	1.4
COLORADO	4,780	6,195	5,814	5,438	5,229	29.6	-6.2	-6.5	-3.8
IDAHO	592	699	740	792	795	18.1	5.9	7.0	.4
MONTANA	666	709	739	717	687	6.5	4.2	-3.0	-4.2
NEVADA	328	357	399	346	326	8.8	11.8	-13.3	-5.8
NEW MEXICO	966	1,266	1,248	1,263	1,439	31.1	-1.4	1.2	13.9
UTAH	2,474	2,625	2,613	2,668	2,741	6.1	-.5	2.1	2.7
WYOMING	535	591	598	595	600	10.5	1.2	-.5	.8
PACIFIC	30,771	33,635	35,377	36,394	36,588	9.3	5.2	2.9	.5
ALASKA	160	131	170	190	223	-18.1	29.8	11.8	17.4
CALIFORNIA	23,338	26,038	27,075	27,319	27,645	11.6	4.0	.9	1.2
HAWAII	1,281	1,331	1,353	1,373	1,333	3.9	1.7	1.5	-2.9
OREGON	2,161	2,276	2,398	2,681	2,706	5.3	5.4	11.8	.9
WASHINGTON	3,831	3,859	4,381	4,831	4,681	.7	13.5	10.3	-3.1
OUTLYING AREAS	906	1,067	1,016	1,077	1,036	17.8	-4.8	6.0	-3.8

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-17. FULL-TIME GRADUATE STUDENTS SUPPORTED BY FEDERAL SOURCES IN ALL DOCTORATE-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION: 1974-78

DIVISION AND STATE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
UNITED STATES TOTAL	48,016	48,304	48,642	50,530	51,373	0.6	0.7	3.9	1.7
NEW ENGLAND	4,463	4,547	4,693	5,074	4,939	1.9	3.2	8.1	-2.7
CONNECTICUT	671	681	688	811	785	1.5	-1.9	21.4	-3.2
MAINE	71	86	114	117	80	21.1	32.6	2.6	-31.6
MASSACHUSETTS	3,100	3,118	3,199	3,479	3,518	.6	2.6	8.8	1.1
NEW HAMPSHIRE	136	155	176	145	59	14.0	13.5	-17.6	-59.3
RHODE ISLAND	404	429	441	435	424	6.2	2.8	-1.4	-2.5
VERMONT	81	78	95	87	73	-3.7	21.8	-8.4	-16.1
MIDDLE ATLANTIC	6,593	6,900	6,908	7,053	7,281	4.7	.1	2.1	3.2
NEW JERSEY	747	762	741	739	765	2.0	-2.8	-.3	3.5
NEW YORK	3,827	3,944	3,793	3,923	4,139	3.1	-3.8	3.4	5.5
PENNSYLVANIA	2,019	2,194	2,374	2,391	2,377	8.7	8.2	.7	-.6
EAST NORTH CENTRAL	9,660	9,617	9,708	9,846	9,718	-.4	.9	1.4	-1.3
ILLINOIS	2,858	2,926	2,955	2,831	2,955	2.4	1.0	-4.2	4.4
INDIANA	1,260	1,244	1,300	1,317	1,312	-1.3	4.5	9.0	-7.4
MICHIGAN	1,907	1,843	1,766	1,751	1,602	-3.4	-4.2	-.8	-8.5
OHIO	1,753	1,749	1,981	2,105	2,081	-.2	13.3	6.3	-1.1
WISCONSIN	1,882	1,855	1,706	1,742	1,768	-1.4	-8.0	2.1	1.5
WEST NORTH CENTRAL	3,652	3,801	3,609	3,649	3,711	4.1	-5.1	1.1	1.7
IOWA	642	636	599	588	645	-.9	-5.8	-1.8	9.7
KANSAS	621	597	601	667	614	-3.9	.7	11.0	-7.9
MINNESOTA	1,161	1,196	1,132	1,122	1,131	3.0	-5.4	-.9	.8
MISSOURI	894	985	875	873	910	10.2	-11.2	-.2	4.2
NEBRASKA	139	162	184	199	201	16.5	13.6	8.2	1.0
NORTH DAKOTA	118	133	119	104	119	12.7	-10.5	-12.6	14.4
SOUTH DAKOTA	77	92	99	96	91	19.5	7.6	-3.0	-5.2
SOUTH ATLANTIC	6,142	6,362	5,982	6,361	6,552	3.6	-6.0	6.3	3.0
DELAWARE	134	149	157	161	158	11.2	5.4	2.5	-1.9
DISTRICT OF COLUMBIA	440	525	383	594	533	19.3	-27.0	55.1	-10.3
FLORIDA	1,016	1,084	1,062	1,186	1,108	6.7	-2.0	11.7	-6.6
GEORGIA	638	653	562	615	675	2.4	-13.9	9.4	9.8
MARYLAND	1,229	1,108	999	888	995	-9.8	-9.8	-11.1	12.0
NORTH CAROLINA	1,479	1,496	1,354	1,418	1,432	1.1	-9.5	4.7	1.0
SOUTH CAROLINA	227	245	268	278	333	7.9	9.4	3.7	19.8
VIRGINIA	716	821	880	913	980	14.7	7.2	3.7	7.3
WEST VIRGINIA	263	281	317	308	338	6.8	12.8	-2.8	9.7
EAST SOUTH CENTRAL	1,408	1,538	1,613	1,531	1,556	9.2	4.9	-5.1	1.6
ALABAMA	258	294	355	408	435	14.0	20.7	14.9	6.6
KENTUCKY	221	260	312	275	267	17.6	20.0	-11.9	-2.9
MISSISSIPPI	206	296	256	228	248	43.7	-13.5	-10.9	8.8
TENNESSEE	723	688	690	620	606	-4.8	.3	-10.1	-2.3
WEST SOUTH CENTRAL	2,657	2,484	2,435	2,812	2,719	-6.5	-2.0	15.5	-3.3
ARKANSAS	152	108	113	139	136	-28.9	4.6	23.0	-2.2
LOUISIANA	378	268	247	209	382	-29.1	-7.8	-15.4	82.8
OKLAHOMA	377	334	491	559	393	-11.4	47.0	13.8	-29.7
TEXAS	1,750	1,774	1,584	1,905	1,808	1.4	-10.7	20.3	-5.1
MOUNTAIN	3,200	3,219	3,401	3,571	3,742	.6	5.7	5.0	4.8
ARIZONA	589	583	668	686	792	-1.0	14.6	2.7	15.5
COLORADO	1,286	1,340	1,346	1,497	1,560	4.2	.4	11.2	4.2
IDAHO	114	86	103	135	117	-24.6	19.8	31.1	-13.3
MONTANA	151	150	150	136	143	-.7	.0	-9.3	5.1
NEVADA	65	89	103	84	81	30.8	21.2	-18.4	-3.6
NEW MEXICO	238	268	248	262	269	12.6	-7.5	5.6	2.7
UTAH	677	600	666	609	620	-11.4	11.0	-8.6	1.8
WYOMING	80	107	117	162	160	33.7	9.3	38.5	-1.2
PACIFIC	10,077	9,591	10,019	10,366	10,891	-4.8	4.5	3.5	5.1
ALASKA	56	43	64	61	69	-23.2	48.8	-4.7	13.1
CALIFORNIA	7,878	7,378	7,687	7,891	8,328	-6.3	4.2	2.7	5.5
HAWAII	374	418	395	400	425	11.8	-5.5	1.3	6.3
OREGON	565	550	472	547	621	-2.7	-14.2	15.9	13.5
WASHINGTON	1,204	1,202	1,401	1,467	1,448	-.2	16.6	4.7	-1.3
OUTLYING AREAS	164	245	274	267	264	49.4	11.8	-2.6	-1.1

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-18. FULL-TIME GRADUATE STUDENTS SUPPORTED BY NON-FEDERAL SOURCES IN ALL DOCTORATE-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION: 1974-78

DIVISION AND STATE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
UNITED STATES TOTAL	147,899	163,249	166,224	167,895	166,215	10.4	1.8	1.0	-1.0
NEW ENGLAND	11,281	11,239	12,285	11,626	12,102	-.4	9.3	-5.4	4.1
CONNECTICUT	2,296	2,139	2,443	2,233	2,254	-5.2	14.2	-8.6	.9
MAINE	262	278	275	261	298	6.1	-1.1	-5.1	14.2
MASSACHUSETTS	6,940	7,198	8,025	7,541	7,879	3.7	11.5	-6.0	4.5
NEW HAMPSHIRE	526	432	425	487	471	-17.9	-1.6	14.6	-3.3
RHODE ISLAND	907	888	827	846	929	-2.1	-6.9	2.3	9.8
VERMONT	390	300	290	258	271	-23.1	-3.3	-11.0	5.0
MIDDLE ATLANTIC	22,558	25,012	24,007	24,419	23,686	10.9	-4.0	1.7	-3.0
NEW JERSEY	2,493	3,043	2,807	2,755	2,725	22.1	-7.8	-1.9	-1.1
NEW YORK	14,415	16,004	14,868	15,227	14,657	11.0	-7.1	2.4	-3.7
PENNSYLVANIA	5,650	5,965	6,332	6,437	6,304	5.6	6.2	1.7	-2.1
EAST NORTH CENTRAL	32,326	33,928	34,013	34,014	33,188	5.0	.3	*	-2.4
ILLINOIS	8,165	8,561	8,238	8,452	8,274	4.8	-3.8	2.6	-2.1
INDIANA	4,261	4,427	4,443	4,237	4,365	3.9	.4	-4.6	3.0
MICHIGAN	8,599	8,287	8,130	8,289	8,057	-3.6	-1.9	2.0	-2.8
OHIO	7,299	7,827	8,667	8,606	8,345	7.2	10.7	-.7	-3.0
WISCONSIN	4,002	4,826	4,535	4,430	4,147	20.6	-6.0	-2.3	-6.4
WEST NORTH CENTRAL	10,938	12,743	13,448	13,270	12,966	16.5	5.5	-1.3	-2.3
IOWA	1,839	2,306	2,541	2,513	2,554	25.4	10.2	-1.1	1.6
KANSAS	1,999	2,230	2,433	2,437	2,448	11.6	9.1	.2	.5
MINNESOTA	2,800	3,312	3,159	2,980	2,968	18.3	-4.6	-5.7	-.4
MISSOURI	2,743	3,218	3,401	3,327	2,983	17.3	5.7	-2.2	-10.3
NEBRASKA	750	853	1,007	1,130	1,125	13.7	18.1	12.2	-.4
NORTH DAKOTA	493	498	582	503	514	9.9	16.9	-13.6	2.2
SOUTH DAKOTA	354	326	325	380	374	-7.9	-.3	16.9	-1.6
SOUTH ATLANTIC	20,018	22,093	22,090	22,890	22,691	10.4	*	3.6	-.9
DELAWARE	436	441	415	469	477	1.1	-5.9	13.0	1.7
DISTRICT OF COLUMBIA	2,417	3,267	2,846	3,160	2,966	35.2	-12.9	11.0	-6.1
FLORIDA	3,848	3,877	4,092	3,757	3,890	.8	5.5	-8.2	3.5
GEORGIA	2,846	2,961	3,054	3,186	3,276	4.0	3.1	4.3	2.8
MARYLAND	2,828	2,821	2,458	2,592	2,425	-.2	-12.9	5.5	-6.4
NORTH CAROLINA	3,079	3,312	3,490	3,723	3,760	7.6	5.4	6.7	1.0
SOUTH CAROLINA	1,313	1,588	1,661	1,659	1,485	20.9	4.6	-.1	-10.5
VIRGINIA	2,383	2,842	3,012	3,184	3,222	19.3	6.0	5.7	1.2
WEST VIRGINIA	868	984	1,062	1,160	1,190	13.4	7.9	9.2	2.6
EAST SOUTH CENTRAL	5,910	6,886	7,239	7,754	7,705	16.5	5.1	7.1	-.6
ALABAMA	1,178	1,341	1,510	1,672	1,857	13.8	12.6	10.7	11.1
KENTUCKY	1,276	1,440	1,413	1,499	1,471	12.9	-1.9	6.1	-1.9
MISSISSIPPI	915	1,115	1,178	1,254	1,298	21.9	5.7	6.5	3.5
TENNESSEE	2,541	2,990	3,138	3,329	3,079	17.7	4.9	6.1	-7.5
WEST SOUTH CENTRAL	13,035	13,891	14,837	15,426	15,876	6.6	6.8	4.0	2.9
ARKANSAS	501	587	640	642	608	17.2	9.0	.3	-5.3
LOUISIANA	1,918	1,800	1,816	2,017	2,120	-6.2	.9	11.1	5.1
OKLAHOMA	2,126	2,130	1,946	2,118	2,270	.2	-8.6	8.8	7.2
TEXAS	8,490	9,374	10,435	10,649	10,878	10.4	11.3	2.1	2.2
MOUNTAIN	10,397	12,595	12,205	11,658	11,532	21.1	-3.1	-4.5	-1.1
ARIZONA	2,667	2,789	2,787	2,724	2,665	4.6	-.1	-2.3	-2.2
COLORADO	3,494	4,855	4,468	3,941	3,669	39.0	-8.0	-11.8	-6.9
IDAHO	478	613	637	657	678	28.2	3.9	3.1	3.2
MONTANA	515	559	589	581	544	8.5	5.4	-1.4	-6.4
NEVADA	263	272	296	262	245	3.4	8.8	-11.5	-6.5
NEW MEXICO	728	998	1,000	1,001	1,173	37.1	.2	.1	16.9
UTAH	1,797	2,025	1,947	2,059	2,121	12.7	-3.9	5.8	3.0
WYOMING	455	484	481	433	440	6.4	-.6	-10.0	1.6
PACIFIC	20,694	24,044	25,358	26,028	25,697	16.2	5.5	2.6	-1.3
ALASKA	104	88	106	129	154	-15.4	20.5	21.7	19.4
CALIFORNIA	15,460	18,660	19,388	19,428	19,317	20.7	3.9	.2	-.6
HAWAII	907	913	958	973	908	.7	4.9	1.6	-6.7
OREGON	1,596	1,726	1,926	2,134	2,085	8.1	11.6	10.8	-2.3
WASHINGTON	2,627	2,657	2,980	3,364	3,233	1.1	12.2	12.9	-3.9
OUTLYING AREAS	742	822	742	810	772	10.8	-9.7	9.2	-4.7

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 4-19. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-78

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL AREAS:									
TOTAL, ALL SOURCES	195,915	211,553	214,866	218,425	217,588	8.0	1.6	1.7	-0.4
FEDERAL, TOTAL	48,016	48,304	48,642	50,530	51,373	.6	.7	3.9	1.7
DEPT OF HEW, TOTAL	20,031	20,881	20,389	21,144	21,807	4.2	-2.4	3.7	3.1
NIH	11,928	12,226	11,388	10,957	10,983	2.5	-6.9	-3.8	.2
OTHER HEW	8,103	8,655	9,001	10,187	10,824	6.8	4.0	13.2	6.3
NSF	8,818	8,798	8,964	9,024	9,024	-.2	1.9	.7	.0
ALL OTHER FEDERAL	19,167	18,625	19,289	20,362	20,542	-2.8	3.6	5.6	.9
INSTITUTIONAL SUPPORT	75,411	77,369	79,582	80,845	80,123	2.6	2.9	1.6	-.9
OTHER OUTSIDE SUPPORT	16,403	16,868	17,694	18,249	19,259	2.8	4.9	3.1	5.5
SELF-SUPPORT	56,085	69,012	68,948	68,801	66,833	23.0	-.1	-.2	-2.9
ENGINEERING:									
TOTAL, ALL SOURCES	33,691	37,112	36,414	36,797	37,129	10.2	-1.9	1.1	.9
FEDERAL, TOTAL	10,164	10,245	10,482	10,667	10,625	.8	2.3	1.8	-.4
DEPT OF HEW, TOTAL	872	1,010	1,042	979	1,060	15.8	3.2	-6.0	8.3
NIH	647	695	678	550	544	7.4	-2.4	-18.9	-1.1
OTHER HEW	225	315	364	429	516	40.0	15.6	17.9	20.3
NSF	2,481	2,569	2,549	2,513	2,342	3.5	-.8	-1.4	-6.8
ALL OTHER FEDERAL	6,811	6,666	6,891	7,175	7,223	-2.1	3.4	4.1	.7
INSTITUTIONAL SUPPORT	10,062	10,247	10,473	10,586	10,496	1.8	2.2	1.1	-.9
OTHER OUTSIDE SUPPORT	4,369	4,511	4,864	5,136	5,322	3.3	7.8	5.6	3.6
SELF-SUPPORT	9,096	12,109	10,595	10,408	10,686	33.1	-12.5	-1.8	2.7
PHYSICAL SCIENCES:									
TOTAL, ALL SOURCES	21,422	21,443	21,787	21,913	21,651	.1	1.6	.6	-1.2
FEDERAL, TOTAL	6,233	6,300	6,455	6,631	7,012	1.1	2.5	2.7	5.7
DEPT OF HEW, TOTAL	1,162	1,282	1,362	1,331	1,408	10.3	6.2	-2.3	5.8
NIH	1,046	1,215	1,250	1,190	1,278	16.2	2.9	-4.8	7.4
OTHER HEW	116	67	112	141	130	-42.2	67.2	25.9	-7.8
NSF	2,656	2,584	2,749	2,738	2,803	-2.7	6.4	-.4	2.4
ALL OTHER FEDERAL	2,415	2,434	2,344	2,562	2,801	.8	-3.7	9.3	9.3
INSTITUTIONAL SUPPORT	12,082	12,078	12,273	12,307	11,814	0	1.6	.3	-4.0
OTHER OUTSIDE SUPPORT	1,312	1,191	1,328	1,353	1,346	-9.2	11.5	1.9	-.5
SELF-SUPPORT	1,795	1,874	1,731	1,622	1,479	4.4	-7.6	-6.3	-8.8
ENVIRONMENTAL SCIENCES:									
TOTAL, ALL SOURCES	8,227	8,698	9,321	9,615	9,724	5.7	7.2	3.2	1.1
FEDERAL, TOTAL	2,635	2,673	2,876	3,045	3,111	1.4	7.6	5.9	2.2
DEPT OF HEW, TOTAL	65	94	123	218	233	44.6	30.9	77.2	6.9
NIH	36	42	34	49	31	16.7	-19.0	44.1	-36.7
OTHER HEW	29	52	89	169	202	79.3	71.2	89.9	19.5
NSF	1,096	1,160	1,201	1,210	1,250	5.8	3.5	.7	3.3
ALL OTHER FEDERAL	1,474	1,419	1,552	1,617	1,628	-3.7	9.4	4.2	.7
INSTITUTIONAL SUPPORT	2,979	3,161	3,430	3,514	3,445	6.1	8.5	2.4	-2.0
OTHER OUTSIDE SUPPORT	710	724	746	754	848	2.0	3.0	1.1	12.5
SELF-SUPPORT	1,903	2,140	2,269	2,302	2,320	12.5	6.0	1.5	.8
MATHEMATICAL SCIENCES:									
TOTAL, ALL SOURCES	13,423	13,862	14,310	13,797	13,706	3.3	3.2	-3.6	-.7
FEDERAL, TOTAL	1,393	1,285	1,293	1,285	1,307	-7.8	.6	-.6	1.7
DEPT OF HEW, TOTAL	135	163	149	140	155	20.7	-8.6	-6.0	10.7
NIH	105	132	131	120	114	25.7	-.8	-8.4	-5.0
OTHER HEW	30	31	18	20	41	3.3	-41.9	11.1	105.0
NSF	545	491	472	535	531	-9.9	-3.9	13.3	-.7
ALL OTHER FEDERAL	713	631	672	610	621	-11.5	6.5	-9.2	1.8
INSTITUTIONAL SUPPORT	8,036	8,109	8,265	8,040	7,987	.9	1.9	-2.7	-.7
OTHER OUTSIDE SUPPORT	634	767	80[illegible]	788	819	21.0	4.6	-1.7	3.9
SELF-SUPPORT	3,360	3,701	3,950	3,684	3,593	10.1	6.7	-6.7	-2.5

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TABLE A-19. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-78

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AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
AGRICULTURAL SCIENCES:									
TOTAL, ALL SOURCES	8,493	9,497	10,165	10,429	10,231	11.8	7.0	2.6	-1.9
FEDERAL, TOTAL	1,699	1,783	1,755	1,767	1,828	4.9	-1.6	.7	3.5
DEPT OF HEW, TOTAL	103	105	71	61	69	1.9	-32.4	-14.1	13.1
NIH	81	89	59	50	38	9.9	-33.7	-15.3	-24.0
OTHER HEW	22	16	12	11	31	-27.3	-25.0	-8.3	181.8
NSF	89	125	118	76	92	40.4	-5.6	-35.6	21.1
ALL OTHER FEDERAL	1,507	1,553	1,566	1,630	1,667	3.1	.8	4.1	2.3
INSTITUTIONAL SUPPORT	2,951	3,245	3,512	3,577	3,600	10.0	8.2	1.9	.6
OTHER OUTSIDE SUPPORT	1,503	1,721	1,894	1,997	1,942	14.5	10.1	5.4	-2.8
SELF-SUPPORT	2,340	2,748	3,004	3,088	2,861	17.4	9.3	2.8	-7.4
BIOLOGICAL SCIENCES:									
TOTAL, ALL SOURCES	32,408	34,749	35,205	35,805	35,580	7.2	1.3	1.7	-.6
FEDERAL, TOTAL	9,850	10,137	9,932	10,110	10,341	2.9	-2.0	1.8	2.3
DEPT OF HEW, TOTAL	7,223	7,509	6,959	7,054	7,207	4.0	-7.3	1.4	2.2
NIH	6,731	6,852	6,378	6,590	6,688	1.8	-6.9	3.3	1.5
OTHER HEW	492	657	581	464	519	33.5	-11.6	-20.1	11.9
NSF	922	961	1,066	1,153	1,231	4.2	10.9	8.2	6.8
ALL OTHER FEDERAL	1,705	1,667	1,907	1,903	1,903	-2.2	14.4	-.2	.0
INSTITUTIONAL SUPPORT	13,182	13,726	14,327	14,898	14,601	4.1	4.4	4.0	-2.0
OTHER OUTSIDE SUPPORT	2,131	2,225	2,412	2,406	2,629	4.4	8.4	-.2	9.3
SELF-SUPPORT	7,245	8,661	8,534	8,391	8,009	19.5	-1.5	-1.7	-4.6
HEALTH SCIENCES:									
TOTAL, ALL SOURCES	13,899	15,246	16,369	17,954	19,286	9.7	7.4	9.7	7.4
FEDERAL, TOTAL	5,208	5,711	6,076	7,067	7,490	9.7	6.4	16.3	6.0
DEPT OF HEW, TOTAL	4,434	5,026	5,372	6,180	6,511	13.4	6.9	15.0	5.4
NIH	1,101	1,097	1,000	779	860	-.4	-8.8	-22.1	10.4
OTHER HEW	3,333	3,929	4,372	5,401	5,651	17.9	11.3	23.5	4.6
NSF	44	24	30	35	45	-45.5	25.0	16.7	28.6
ALL OTHER FEDERAL	730	661	674	852	934	-9.5	2.0	26.4	9.6
INSTITUTIONAL SUPPORT	2,854	2,889	2,992	3,160	3,303	1.2	3.6	5.6	4.5
OTHER OUTSIDE SUPPORT	963	854	906	974	1,146	-11.3	6.1	7.5	17.7
SELF-SUPPORT	4,874	5,792	6,395	6,753	7,347	18.8	10.4	5.6	8.8
PSYCHOLOGY:									
TOTAL, ALL SOURCES	18,728	19,704	21,546	21,296	20,677	5.2	9.3	-1.2	-2.9
FEDERAL, TOTAL	4,404	4,317	4,071	3,961	3,943	-2.0	-5.7	-2.7	-.5
DEPT OF HEW, TOTAL	3,249	3,120	2,974	2,853	2,922	-4.0	-4.7	-4.1	2.4
NIH	1,458	1,422	1,266	1,176	1,081	-2.5	-11.0	-7.1	-8.1
OTHER HEW	1,791	1,698	1,708	1,677	1,841	-5.2	.6	-1.8	9.8
NSF	274	270	212	226	222	-1.5	-21.5	6.6	-1.8
ALL OTHER FEDERAL	881	927	885	882	799	5.2	-4.5	-.3	-9.4
INSTITUTIONAL SUPPORT	6,872	6,960	7,339	7,457	7,425	1.3	5.4	1.6	-.4
OTHER OUTSIDE SUPPORT	1,114	1,183	1,270	1,289	1,574	6.2	7.4	1.5	22.1
SELF-SUPPORT	6,338	7,244	8,866	8,589	7,735	14.3	22.4	-3.1	-9.9
SOCIAL SCIENCES:									
TOTAL, ALL SOURCES	45,624	51,242	49,749	50,819	49,604	12.3	-2.9	2.2	-2.4
FEDERAL, TOTAL	6,430	5,853	5,702	5,997	5,716	-9.0	-2.6	5.2	-4.7
DEPT OF HEW, TOTAL	2,788	2,572	2,337	2,328	2,242	-7.7	-9.1	-.4	-3.7
NIH	723	682	592	451	349	-5.7	-13.2	-23.5	-23.0
OTHER HEW	2,065	1,890	1,745	1,875	1,893	-8.5	-7.7	7.4	1.0
NSF	711	614	567	538	508	-13.6	-7.7	-5.1	-5.6
ALL OTHER FEDERAL	2,931	2,667	2,798	3,131	2,966	-9.0	4.9	11.9	-5.3
INSTITUTIONAL SUPPORT	16,393	16,954	16,971	17,306	17,452	3.4	.1	2.0	.8
OTHER OUTSIDE SUPPORT	3,667	3,692	3,472	3,552	3,633	.7	-6.0	2.3	2.3
SELF-SUPPORT	19,134	24,743	23,604	23,964	22,803	29.3	-4.6	1.5	-4.8

* LESS THAN 0.05 PERCENT CHANGE

NOTE: INSTITUTIONAL SUPPORT INCLUDES SUPPORT FROM STATE AND LOCAL GOVERNMENTS. OTHER OUTSIDE SUPPORT INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, PRIVATE INDUSTRY, AND ALL OTHER U.S. AND FOREIGN SOURCES.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-20. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-78

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL AREAS:									
TOTAL, ALL SOURCES	143,479	154,285	156,643	158,356	156,877	7.5	1.5	1.1	-0.9
FEDERAL, TOTAL	33,402	33,932	34,340	35,126	35,379	1.6	1.2	2.3	.7
DEPT OF HEW, TOTAL	13,400	14,407	14,132	14,403	14,536	7.5	-1.9	1.9	.9
NIH	7,466	7,774	7,264	6,872	6,686	4.1	-6.6	-5.4	-2.7
OTHER HEW	5,934	6,633	6,868	7,531	7,850	11.8	3.5	9.7	4.2
NSF	5,482	5,383	5,456	5,604	5,599	-1.8	1.4	2.7	-.1
ALL OTHER FEDERAL	14,520	14,142	14,752	15,119	15,244	-2.6	4.3	2.5	.8
INSTITUTIONAL SUPPORT	58,109	59,519	61,117	61,955	61,245	2.4	2.7	1.4	-1.3
OTHER OUTSIDE SUPPORT	11,213	11,463	11,926	12,146	13,049	2.2	4.0	1.8	7.4
SELF-SUPPORT	40,755	49,371	49,260	49,129	47,304	21.1	-.2	-.3	-3.7
ENGINEERING:									
TOTAL, ALL SOURCES	23,415	25,622	25,203	25,401	25,400	9.4	-1.6	.8	*
FEDERAL, TOTAL	7,057	6,984	6,954	7,083	7,038	-1.0	-.4	1.9	-.6
DEPT OF HEW, TOTAL	518	612	613	609	663	18.1	.2	-.7	8.9
NIH	335	359	305	252	263	7.2	-15.0	-17.4	4.4
OTHER HEW	183	253	308	357	400	38.3	21.7	15.9	12.0
NSF	1,517	1,521	1,483	1,506	1,375	.3	-2.5	1.6	-8.7
ALL OTHER FEDERAL	5,022	4,851	4,858	4,968	5,000	-3.4	.1	2.3	.6
INSTITUTIONAL SUPPORT	7,158	7,496	7,602	7,782	7,591	4.7	1.4	2.4	-2.5
OTHER OUTSIDE SUPPORT	2,755	2,631	2,804	2,863	3,117	-4.5	6.6	2.1	8.9
SELF-SUPPORT	6,445	8,511	7,843	7,673	7,654	32.1	-7.8	-2.2	-.2
PHYSICAL SCIENCES:									
TOTAL, ALL SOURCES	14,956	15,080	15,322	15,376	15,205	.8	1.6	.4	-1.1
FEDERAL, TOTAL	3,898	4,014	4,162	4,261	4,454	3.0	3.7	2.4	4.5
DEPT OF HEW, TOTAL	705	833	907	880	877	18.2	8.9	-3.0	-.3
NIH	633	782	825	779	769	23.5	5.5	-5.6	-1.3
OTHER HEW	72	51	82	101	108	-29.2	60.8	23.2	6.9
NSF	1,617	1,575	1,670	1,667	1,720	-2.6	6.0	-.2	3.2
ALL OTHER FEDERAL	1,576	1,606	1,585	1,714	1,857	1.9	-1.3	8.1	8.3
INSTITUTIONAL SUPPORT	8,913	8,856	8,938	9,054	8,737	-.6	.9	1.3	-3.5
OTHER OUTSIDE SUPPORT	879	769	857	873	861	-12.5	11.4	1.9	-1.4
SELF-SUPPORT	1,266	1,441	1,365	1,188	1,153	13.8	-5.3	-13.0	-2.9
ENVIRONMENTAL SCIENCES:									
TOTAL, ALL SOURCES	6,348	6,805	7,272	7,637	7,673	7.2	6.9	5.0	.5
FEDERAL, TOTAL	1,887	1,937	2,107	2,313	2,322	2.6	8.8	9.8	.4
DEPT OF HEW, TOTAL	34	72	107	190	202	111.8	48.6	77.6	6.3
NIH	12	21	25	45	29	75.0	19.0	80.0	-35.6
OTHER HEW	22	51	82	145	173	131.8	60.8	76.8	19.3
NSF	773	827	836	852	861	7.0	1.1	1.9	1.1
ALL OTHER FEDERAL	1,080	1,038	1,164	1,271	1,259	-3.9	12.1	9.2	-.9
INSTITUTIONAL SUPPORT	2,463	2,624	2,815	2,881	2,824	6.5	7.3	2.3	-2.0
OTHER OUTSIDE SUPPORT	518	508	537	534	642	-1.9	5.7	-.6	20.2
SELF-SUPPORT	1,480	1,736	1,813	1,909	1,885	17.3	4.4	5.3	-1.3
MATHEMATICAL SCIENCES:									
TOTAL, ALL SOURCES	10,277	10,711	11,021	10,559	10,595	4.2	2.9	-4.2	.3
FEDERAL, TOTAL	825	759	729	736	763	-8.0	-4.0	1.0	3.7
DEPT OF HEW, TOTAL	99	119	123	115	124	20.2	3.4	-6.5	7.8
NIH	80	101	107	99	93	26.2	5.9	-7.5	-6.1
OTHER HEW	19	18	16	16	31	-5.3	-11.1	.0	93.8
NSF	260	215	177	247	240	-17.3	-17.7	39.5	-2.8
ALL OTHER FEDERAL	466	425	429	374	399	-8.8	.9	-12.8	6.7
INSTITUTIONAL SUPPORT	6,342	6,429	6,601	6,396	6,323	1.4	2.7	-3.1	-1.1
OTHER OUTSIDE SUPPORT	359	398	428	393	435	10.9	7.5	-8.2	10.7
SELF-SUPPORT	2,751	3,125	3,263	3,034	3,074	13.6	4.4	-7.0	1.3

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TABLE A-20. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-78

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AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
AGRICULTURAL SCIENCES:									
TOTAL, ALL SOURCES	8,236	9,217	9,882	10,142	9,935	11.9	7.2	2.6	-2.0
FEDERAL, TOTAL	1,652	1,736	1,702	1,713	1,769	5.1	-2.0	.6	3.3
DEPT OF HEW, TOTAL	97	101	71	61	66	4.1	-29.7	-14.1	8.2
NIH	75	85	59	50	37	13.3	-30.6	-15.3	-26.0
OTHER HEW	22	16	12	11	29	-27.3	-25.0	-8.3	163.6
NSF	82	121	109	71	83	47.6	-9.9	-34.9	16.9
ALL OTHER FEDERAL	1,473	1,514	1,522	1,581	1,620	2.8	.5	3.9	2.5
INSTITUTIONAL SUPPORT	2,838	3,133	3,403	3,455	3,476	10.4	8.6	1.5	.6
OTHER OUTSIDE SUPPORT	1,442	1,643	1,822	1,940	1,883	13.9	10.9	6.5	-2.9
SELF-SUPPORT	2,304	2,705	2,955	3,034	2,807	17.4	9.2	2.7	-7.5
BIOLOGICAL SCIENCES:									
TOTAL, ALL SOURCES	24,250	26,085	26,451	26,949	26,667	7.6	1.4	1.9	-1.0
FEDERAL, TOTAL	6,600	6,712	6,628	6,818	6,948	1.7	-1.3	2.9	1.9
DEPT OF HEW, TOTAL	4,375	4,546	4,193	4,318	4,374	3.9	-7.8	3.0	1.3
NIH	4,061	4,129	3,873	3,968	3,986	1.7	-6.2	2.5	.5
OTHER HEW	314	417	320	350	388	32.8	-23.3	9.4	10.9
NSF	682	677	764	840	888	-.7	12.9	9.9	5.7
ALL OTHER FEDERAL	1,543	1,489	1,671	1,660	1,686	-3.5	12.2	-.7	1.6
INSTITUTIONAL SUPPORT	10,520	10,982	11,366	11,775	11,578	4.4	3.5	3.6	-1.7
OTHER OUTSIDE SUPPORT	1,684	1,777	1,892	1,869	2,025	5.5	6.5	-1.2	8.3
SELF-SUPPORT	5,446	6,614	6,565	6,487	6,116	21.4	-.7	-1.2	-5.7
HEALTH SCIENCES:									
TOTAL, ALL SOURCES	10,955	12,142	12,985	13,817	14,538	10.8	6.9	6.4	5.2
FEDERAL, TOTAL	4,070	4,697	4,941	5,310	5,478	15.4	5.2	7.5	3.2
DEPT OF HEW, TOTAL	3,459	4,115	4,311	4,549	4,746	19.0	4.8	5.5	4.3
NIH	792	834	770	557	700	5.3	-7.7	-27.7	25.7
OTHER HEW	2,667	3,281	3,541	3,992	4,046	23.0	7.9	12.7	1.4
NSF	31	10	18	26	31	-67.7	80.0	44.4	19.2
ALL OTHER FEDERAL	580	572	612	735	701	-1.4	7.0	20.1	-4.6
INSTITUTIONAL SUPPORT	2,333	2,349	2,568	2,655	2,653	.7	9.3	3.4	-.1
OTHER OUTSIDE SUPPORT	757	687	700	722	832	-9.2	1.9	3.1	15.2
SELF-SUPPORT	3,795	4,409	4,776	5,130	5,575	16.2	8.3	7.4	8.7
PSYCHOLOGY:									
TOTAL, ALL SOURCES	12,965	13,365	13,901	13,498	12,999	3.1	4.0	-2.9	-3.7
FEDERAL, TOTAL	3,143	2,991	2,823	2,732	2,553	-4.8	-5.6	-3.2	-6.6
DEPT OF HEW, TOTAL	2,291	2,165	2,079	1,988	1,858	-5.5	-4.0	-4.4	-6.5
NIH	1,041	1,015	889	841	615	-2.5	-12.4	-5.4	-26.9
OTHER HEW	1,250	1,150	1,190	1,147	1,243	-8.0	3.5	-3.6	8.4
NSF	181	155	113	128	137	-14.4	-27.1	13.3	7.0
ALL OTHER FEDERAL	671	671	631	616	558	.0	-6.0	-2.4	-9.4
INSTITUTIONAL SUPPORT	5,304	5,293	5,513	5,402	5,429	-.2	4.2	-2.0	.5
OTHER OUTSIDE SUPPORT	771	876	969	978	1,145	13.6	10.6	.9	17.1
SELF-SUPPORT	3,747	4,205	4,596	4,386	3,872	12.2	9.3	-4.6	-11.7
SOCIAL SCIENCES:									
TOTAL, ALL SOURCES	32,077	35,258	34,606	34,977	33,865	9.9	-1.8	1.1	-3.2
FEDERAL, TOTAL	4,270	4,102	4,294	4,160	4,054	-3.9	4.7	-3.1	-2.5
DEPT OF HEW, TOTAL	1,822	1,844	1,728	1,693	1,626	1.2	-6.3	-2.0	-4.0
NIH	437	448	411	281	194	2.5	-8.3	-31.6	-31.0
OTHER HEW	1,385	1,396	1,317	1,412	1,432	.8	-5.7	7.2	1.4
NSF	339	282	286	267	264	-16.8	1.4	-6.6	-1.1
ALL OTHER FEDERAL	2,109	1,976	2,280	2,200	2,164	-6.3	15.4	-3.5	-1.6
INSTITUTIONAL SUPPORT	12,238	12,357	12,311	12,555	12,534	1.0	-.4	2.0	-.2
OTHER OUTSIDE SUPPORT	2,048	2,174	1,917	1,974	2,109	6.2	-11.8	3.0	6.8
SELF-SUPPORT	13,521	16,625	16,084	16,288	15,168	23.0	-3.3	1.3	-6.9

* LESS THAN 0.05 PERCENT CHANGE

NOTE: INSTITUTIONAL SUPPORT INCLUDES SUPPORT FROM STATE AND LOCAL GOVERNMENTS. OTHER OUTSIDE SUPPORT INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, PRIVATE INDUSTRY, AND ALL OTHER U.S. AND FOREIGN SOURCES.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-21. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-78

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL AREAS:									
TOTAL, ALL SOURCES	52,436	57,268	58,223	60,069	60,711	9.2	1.7	3.2	1.1
FEDERAL, TOTAL	14,614	14,372	14,302	15,404	15,994	-1.7	-.5	7.7	3.8
DEPT OF HEW, TOTAL	6,631	6,474	6,257	6,741	7,271	-2.4	-3.4	7.7	7.9
NIH	4,462	4,452	4,124	4,085	4,297	-.2	-7.4	-.9	5.2
OTHER HEW	2,169	2,022	2,133	2,656	2,974	-6.8	5.5	24.5	12.0
NSF	3,336	3,415	3,508	3,420	3,425	2.4	2.7	-2.5	.1
ALL OTHER FEDERAL	4,647	4,483	4,537	5,243	5,298	-3.5	1.2	15.6	1.0
INSTITUTIONAL SUPPORT	17,302	17,850	18,465	18,890	18,978	3.2	3.4	2.3	.5
OTHER OUTSIDE SUPPORT	5,190	5,405	5,768	6,103	6,210	4.1	6.7	5.8	1.8
SELF-SUPPORT	15,330	19,641	19,688	19,672	19,529	28.1	.2	-.1	-.7
ENGINEERING:									
TOTAL, ALL SOURCES	10,276	11,490	11,211	11,396	11,729	11.8	-2.4	1.7	2.9
FEDERAL, TOTAL	3,107	3,261	3,528	3,584	3,587	5.0	8.2	1.6	.1
DEPT OF HEW, TOTAL	354	398	429	370	397	12.4	7.8	-13.8	7.3
NIH	312	336	373	298	281	7.7	11.0	-20.1	-5.7
OTHER HEW	42	62	56	72	116	47.6	-9.7	28.6	61.1
NSF	964	1,048	1,066	1,007	967	8.7	1.7	-5.5	-4.0
ALL OTHER FEDERAL	1,789	1,815	2,033	2,207	2,223	1.5	12.0	8.6	.7
INSTITUTIONAL SUPPORT	2,904	2,751	2,871	2,804	2,905	-5.3	4.4	-2.3	3.6
OTHER OUTSIDE SUPPORT	1,614	1,880	2,060	2,273	2,205	16.5	9.6	10.3	-3.0
SELF-SUPPORT	2,651	3,598	2,752	2,735	3,032	35.7	-23.5	-.6	10.9
PHYSICAL SCIENCES:									
TOTAL, ALL SOURCES	6,466	6,363	6,465	6,537	6,446	-1.6	1.6	1.1	-1.4
FEDERAL, TOTAL	2,335	2,286	2,293	2,370	2,558	-2.1	.3	3.4	7.9
DEPT OF HEW, TOTAL	457	449	455	451	531	-1.8	1.3	-.9	17.7
NIH	413	433	425	411	509	4.8	-1.8	-3.3	23.8
OTHER HEW	44	16	30	40	22	-63.6	87.5	33.3	-45.0
NSF	1,039	1,009	1,079	1,071	1,083	-2.9	6.9	-.7	1.1
ALL OTHER FEDERAL	839	828	759	848	944	-1.3	-8.3	11.7	11.3
INSTITUTIONAL SUPPORT	3,169	3,222	3,335	3,253	3,077	1.7	3.5	-2.5	-5.4
OTHER OUTSIDE SUPPORT	433	422	471	480	485	-2.5	11.6	1.9	1.0
SELF-SUPPORT	529	433	366	434	326	-18.1	-15.5	18.6	-24.9
ENVIRONMENTAL SCIENCES:									
TOTAL, ALL SOURCES	1,879	1,893	2,049	1,978	2,051	.7	8.2	-3.5	3.7
FEDERAL, TOTAL	748	736	769	732	789	-1.6	4.5	-4.8	7.8
DEPT OF HEW, TOTAL	31	22	16	28	31	-29.0	-27.3	75.0	10.7
NIH	24	21	9	4	2	-12.5	-57.1	-55.6	-50.0
OTHER HEW	7	1	7	24	29	-85.7	600.0	242.9	20.8
NSF	323	333	365	358	389	3.1	9.6	-1.9	8.7
ALL OTHER FEDERAL	394	381	388	346	369	-3.3	1.8	-10.8	6.6
INSTITUTIONAL SUPPORT	516	537	615	633	621	4.1	14.5	2.9	-1.9
OTHER OUTSIDE SUPPORT	192	216	209	220	206	12.5	-3.2	5.3	-6.4
SELF-SUPPORT	423	404	456	393	435	-4.5	12.9	-13.8	10.7
MATHEMATICAL SCIENCES:									
TOTAL, ALL SOURCES	3,146	3,151	3,289	3,238	3,111	.2	4.4	-1.6	-3.9
FEDERAL, TOTAL	568	526	564	549	544	-7.4	7.2	-2.7	-.9
DEPT OF HEW, TOTAL	36	44	26	25	31	22.2	-40.9	-3.8	24.0
NIH	25	31	24	21	21	24.0	-22.6	-12.5	.0
OTHER HEW	11	13	2	4	10	18.2	-84.6	100.0	150.0
NSF	285	276	295	288	291	-3.2	6.9	-2.4	1.0
ALL OTHER FEDERAL	247	206	243	236	222	-16.6	18.0	-2.9	-5.9
INSTITUTIONAL SUPPORT	1,694	1,680	1,664	1,644	1,664	-.8	-1.0	-1.2	1.2
OTHER OUTSIDE SUPPORT	275	369	374	395	384	34.2	1.4	5.6	-2.8
SELF-SUPPORT	609	576	687	650	519	-5.4	19.3	-5.4	-20.2

CONTINUED ON NEXT PAGE

TABLE A-21. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-78

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AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
AGRICULTURAL SCIENCES:									
TOTAL, ALL SOURCES	257	280	283	287	296	8.9	1.1	1.4	3.1
FEDERAL, TOTAL	47	47	53	54	59	.0	12.8	1.9	9.3
DEPT OF HEW, TOTAL	6	4	0	0	3	-33.3	-100.0	**	**
NIH	6	4	0	0	1	-33.3	-100.0	**	**
OTHER HEW	0	0	0	0	2	**	**	**	**
NSF	7	4	9	5	9	-42.9	125.0	-44.4	80.0
ALL OTHER FEDERAL	34	39	44	49	47	14.7	12.8	11.4	-4.1
INSTITUTIONAL SUPPORT	113	112	109	122	124	-.9	-2.7	11.9	1.6
OTHER OUTSIDE SUPPORT	61	78	72	57	59	27.9	-7.7	-20.8	3.5
SELF-SUPPORT	36	43	49	54	54	19.4	14.0	10.2	.0
BIOLOGICAL SCIENCES:									
TOTAL, ALL SOURCES	8,158	8,664	8,754	8,856	8,913	6.2	1.0	1.2	.6
FEDERAL, TOTAL	3,250	3,425	3,304	3,292	3,393	5.4	-3.5	-.4	3.1
DEPT OF HEW, TOTAL	2,848	2,963	2,766	2,736	2,833	4.0	-6.6	-1.1	3.5
NIH	2,670	2,723	2,505	2,622	2,702	2.0	-8.0	4.7	3.1
OTHER HEW	178	240	261	114	131	34.8	8.7	-56.3	14.9
NSF	240	284	302	313	343	18.3	6.3	3.6	9.6
ALL OTHER FEDERAL	162	178	236	243	217	9.9	32.6	3.0	-10.7
INSTITUTIONAL SUPPORT	2,662	2,744	2,961	3,123	3,023	3.1	7.9	5.5	-3.2
OTHER OUTSIDE SUPPORT	447	448	520	537	604	.2	16.1	3.3	12.5
SELF-SUPPORT	1,799	2,047	1,969	1,904	1,893	13.8	-3.8	-3.3	-.6
HEALTH SCIENCES:									
TOTAL, ALL SOURCES	2,944	3,104	3,384	4,137	4,748	5.4	9.0	22.3	14.8
FEDERAL, TOTAL	1,138	1,014	1,135	1,757	2,012	-10.9	11.9	54.8	14.5
DEPT OF HEW, TOTAL	975	911	1,041	1,631	1,765	-6.6	16.5	53.7	8.2
NIH	309	263	230	222	160	-14.9	-12.5	-3.5	-27.9
OTHER HEW	666	648	831	1,409	1,605	-2.7	28.2	69.6	13.9
NSF	13	14	12	9	14	7.7	-14.3	-25.0	55.6
ALL OTHER FEDERAL	150	89	62	117	233	-40.7	-30.3	88.7	99.1
INSTITUTIONAL SUPPORT	521	540	424	505	650	3.6	-21.5	19.1	28.7
OTHER OUTSIDE SUPPORT	206	167	206	252	314	-18.9	23.4	22.3	24.6
SELF-SUPPORT	1,079	1,383	1,619	1,623	1,772	28.2	17.1	.2	9.2
PSYCHOLOGY:									
TOTAL, ALL SOURCES	5,763	6,339	7,645	7,798	7,678	10.0	20.6	2.0	-1.5
FEDERAL, TOTAL	1,261	1,326	1,248	1,229	1,390	5.2	-5.9	-1.5	13.1
DEPT OF HEW, TOTAL	958	955	895	865	1,064	-.3	-6.3	-3.4	23.0
NIH	417	407	377	335	466	-2.4	-7.4	-11.1	39.1
OTHER HEW	541	548	518	530	598	1.3	-5.5	2.3	12.8
NSF	93	115	99	98	85	23.7	-13.9	-1.0	-13.3
ALL OTHER FEDERAL	210	256	254	266	241	21.9	-.8	4.7	-9.4
INSTITUTIONAL SUPPORT	1,568	1,667	1,826	2,055	1,996	6.3	9.5	12.5	-2.9
OTHER OUTSIDE SUPPORT	343	307	301	311	429	-10.5	-2.0	3.3	37.9
SELF-SUPPORT	2,591	3,039	4,270	4,203	3,863	17.3	40.5	-1.6	-8.1
SOCIAL SCIENCES:									
TOTAL, ALL SOURCES	13,547	15,984	15,143	15,842	15,739	18.0	-5.3	4.6	-.7
FEDERAL, TOTAL	2,160	1,751	1,408	1,837	1,662	-18.9	-19.6	30.5	-9.5
DEPT OF HEW, TOTAL	966	728	609	635	616	-24.6	-16.3	4.3	-3.0
NIH	286	234	181	172	155	-18.2	-22.6	-5.0	-9.9
OTHER HEW	680	494	428	463	461	-27.4	-13.4	8.2	-.4
NSF	372	332	281	271	244	-10.8	-15.4	-3.6	-10.0
ALL OTHER FEDERAL	822	691	518	931	802	-15.9	-25.0	79.7	-13.9
INSTITUTIONAL SUPPORT	4,155	4,597	4,660	4,751	4,918	10.6	1.4	2.0	3.5
OTHER OUTSIDE SUPPORT	1,619	1,518	1,555	1,578	1,524	-6.2	2.4	1.5	-3.4
SELF-SUPPORT	5,613	8,118	7,520	7,676	7,635	44.6	-7.4	2.1	-.5

NOTE: INSTITUTIONAL SUPPORT INCLUDES SUPPORT FROM STATE AND LOCAL GOVERNMENTS. OTHER OUTSIDE SUPPORT INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, PRIVATE INDUSTRY, AND ALL OTHER U.S. AND FOREIGN SOURCES.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-22. PART-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	71,401	84,798	85,691	91,539	94,394	18.8	1.1	6.8	3.1
ENGINEERING	29,428	27,985	28,209	29,934	29,074	19.5	.8	6.1	-2.9
AERONAUTICAL	419	424	295	314	311	1.2	-30.4	6.4	-1.0
AGRICULTURAL	97	99	134	116	149	2.1	35.4	-13.4	28.4
BIOMEDICAL	113	119	171	154	180	5.3	43.7	-9.9	16.9
CHEMICAL	1,392	1,445	1,416	1,263	1,315	3.8	-2.0	-10.8	4.1
CIVIL	4,105	4,605	4,356	4,461	4,314	12.2	-5.4	2.4	-3.3
ELECTRICAL	7,737	7,529	7,252	8,115	8,123	-2.7	-3.7	11.9	.1
ENGINEERING SCIENCE	733	727	740	697	655	-.8	1.8	-5.8	-6.0
INDUSTRIAL	3,345	7,328	7,890	8,184	7,490	119.1	7.7	3.7	-8.5
MECHANICAL	3,298	3,145	2,958	3,300	3,199	-4.6	-5.9	11.6	-3.1
METALLURGICAL/MATERIALS	601	617	554	564	542	2.7	-10.2	1.8	-3.9
MINING	49	66	107	121	118	34.7	62.1	13.1	-2.5
NUCLEAR	430	370	378	331	280	-14.0	2.2	-12.4	-15.4
PETROLEUM	44	74	53	79	100	68.2	-28.4	49.1	26.6
ENGINEERING, N.E.C.	1,065	1,437	1,905	2,235	2,298	34.9	32.6	17.3	2.8
PHYSICAL SCIENCES	3,326	3,341	3,467	3,347	3,386	.5	3.8	-3.5	1.2
ASTRONOMY	59	51	60	43	37	-13.6	17.6	-28.3	-14.0
CHEMISTRY	2,056	2,118	2,119	2,114	2,129	3.0	*	-.2	.7
PHYSICS	1,158	1,095	1,098	991	1,023	-5.4	.3	-9.7	3.2
PHYSICAL SCIENCES, N.E.C.	53	77	190	199	197	45.3	146.8	4.7	-1.0
ENVIRONMENTAL SCIENCES	1,753	2,006	2,045	2,248	2,145	14.4	1.9	9.9	-4.6
ATMOSPHERIC SCIENCES	168	105	108	112	121	-37.5	2.9	3.7	8.0
GEOSCIENCES	1,021	1,124	1,160	1,195	1,242	10.1	3.2	3.0	3.9
OCEANOGRAPHY	216	328	295	429	367	51.9	-10.1	45.4	-14.5
ENVIRONMENTAL SCIENCES, N.E.C.	348	449	482	512	415	29.0	7.3	6.2	-18.9
MATHEMATICAL SCIENCES	6,901	7,283	7,324	7,217	7,927	5.5	.6	-1.5	9.8
COMPUTER SCIENCE	2,567	2,900	3,077	3,275	4,079	13.0	6.1	6.4	24.5
MATHEMATICS AND APPLIED MATHEMATICS	3,980	3,990	3,872	3,600	3,502	.3	-3.0	-7.0	-2.7
STATISTICS	354	393	375	342	346	11.0	-4.6	-8.8	1.2
LIFE SCIENCES	11,890	13,910	15,121	18,932	20,174	17.4	8.7	25.2	6.6
AGRICULTURAL SCIENCES	1,461	1,652	1,656	1,765	1,937	13.1	.2	6.6	9.7
BIOLOGICAL SCIENCES	5,654	6,325	6,496	7,274	7,241	11.9	2.7	12.0	-.5
ANATOMY	93	84	74	102	88	-9.7	-11.9	37.8	-13.7
BIOCHEMISTRY	269	292	249	240	276	8.6	-14.7	-3.6	15.0
BIOLOGY	2,281	2,846	2,956	3,053	2,796	24.8	3.9	3.3	-8.4
BIOMETRY/EPIDEMIOLOGY	124	102	94	158	157	-17.7	-7.8	68.1	-.6
BIOPHYSICS	43	92	28	23	16	114.0	-69.6	-17.9	-30.4
BOTANY	226	269	300	297	285	19.0	11.5	-1.0	-4.0
CELL BIOLOGY	22	21	30	35	21	-4.5	42.9	16.7	-40.0
ECOLOGY	42	68	102	81	85	61.9	50.0	-20.6	4.9
ENTOMOLOGY/PARASITOLOGY	168	184	178	213	200	9.5	-3.3	19.7	-6.1
GENETICS	48	60	71	73	88	25.0	18.3	2.8	20.5
MICROBIOLOGY	449	390	473	523	557	-13.1	21.3	10.6	6.5
NUTRITION	376	388	491	801	871	3.2	26.5	63.1	8.7
PATHOLOGY	133	165	114	213	204	24.1	-30.9	86.8	-4.2
PHARMACOLOGY	122	100	114	123	138	-18.0	14.0	7.9	12.2
PHYSIOLOGY	362	260	266	202	301	-28.2	2.3	-24.1	49.0
ZOOLOGY	443	462	412	436	458	4.3	-10.8	5.8	5.0
BIOSCIENCES, N.E.C.	453	542	544	701	700	19.6	.4	28.9	-.1
HEALTH SCIENCES	4,735	5,933	6,969	9,893	10,996	25.3	17.5	42.0	11.1
ANESTHESIOLOGY	0	0	0	2	3	**	**	**	50.0
CARDIOLOGY	4	1	2	2	0	-75.0	100.0	.0	-100.0
CLINICAL PHARMACOLOGY	2	1	0	0	2	-50.0	-100.0	**	**
DENTISTRY	132	198	184	240	254	50.0	-7.1	30.4	5.8
ENDOCRINOLOGY	3	0	4	7	3	-100.0	**	75.0	-57.1
GASTROENTEROLOGY	1	4	0	0	0	300.0	-100.0	**	**
HEMATOLOGY	0	0	1	0	0	**	**	-100.0	**
NEUROLOGY	10	3	9	8	2	-70.0	200.0	-11.1	-75.0
NURSING	1,524	2,001	2,802	4,743	5,260	31.3	40.0	69.3	10.9
OBSTETRICS/GYNECOLOGY	13	2	7	2	3	-84.6	250.0	-71.4	50.0
OPHTHALMOLOGY	4	5	5	7	1	25.0	.0	40.0	-85.7
OTORHINOLARYNGOLOGY	3	4	4	1	1	33.3	.0	-75.0	.0
PEDIATRICS	30	27	36	5	5	-10.0	33.3	-86.1	.0
PHARMACEUTICAL SCIENCES	708	840	797	909	951	18.6	-5.1	14.1	4.6
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	521	694	960	1,197	1,362	33.2	38.3	24.7	13.8
PSYCHIATRY	92	59	39	33	40	-35.9	-33.9	-15.4	21.2
PULMONARY DISEASE	0	0	0	0	0	**	**	**	**
RADIOLOGY	52	60	12	41	33	15.4	-80.0	241.7	-19.5
SPEECH PATH/AUDIOLOGY	925	1,213	1,046	1,311	1,423	31.1	-13.8	25.3	8.5
SURGERY	32	11	12	18	15	-65.6	9.1	50.0	-16.7
VETERINARY SCIENCES	152	171	170	191	239	12.5	-.6	12.4	25.1
CLINICAL MEDICINE, N.E.C.	307	27	43	67	106	-91.2	59.3	55.8	58.2
HEALTH RELATED, N.E.C.	220	612	836	1,109	1,293	178.2	36.6	32.7	16.6
PSYCHOLOGY	6,007	7,279	6,799	6,998	7,243	21.2	-6.6	2.9	3.5
SOCIAL SCIENCES	18,136	22,994	22,726	22,863	24,445	26.8	-1.2	.6	6.9
AGRICULTURAL ECONOMICS	158	223	222	246	231	41.1	-.4	10.8	-6.1
ANTHROPOLOGY	1,108	1,346	1,308	1,260	1,362	21.5	-2.8	-3.7	8.1
ECONOMICS (EXCEPT AGRICULTURAL)	3,229	2,897	3,036	2,948	2,908	-10.3	4.8	-2.9	-1.4
GEOGRAPHY	778	785	813	788	764	.9	3.6	-3.1	-3.0
HISTORY AND PHILOSOPHY OF SCIENCE	40	44	52	43	40	10.0	18.2	-17.3	-7.0
LINGUISTICS	574	834	818	1,055	1,106	45.3	-1.9	29.0	4.8
POLITICAL SCIENCE	6,247	8,943	8,576	8,809	9,594	43.2	-.4	-1.9	8.9
SOCIOLOGY	3,154	3,486	3,239	2,866	3,037	10.5	-7.1	-11.5	6.0
SOCIOLOGY/ANTHROPOLOGY	460	584	632	573	566	27.0	8.2	-9.3	-1.2
SOCIAL SCIENCES, N.E.C.	2,388	3,852	3,630	4,275	4,837	61.3	-5.8	17.8	13.1

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-23. PART-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	43,305	50,291	50,135	52,500	55,680	16.1	-0.3	4.7	6.1
ENGINEERING	12,505	13,336	13,527	14,071	14,007	6.6	1.4	4.0	-.5
AERONAUTICAL	322	351	250	251	255	9.0	-28.8	.4	1.6
AGRICULTURAL	95	98	133	116	149	3.2	35.7	-12.8	28.4
BIOMEDICAL	17	35	93	46	72	105.9	165.7	-50.5	56.5
CHEMICAL	830	955	899	761	810	15.1	-5.9	-15.4	6.4
CIVIL	2,386	2,668	2,524	2,691	2,632	11.8	-5.4	6.6	-2.2
ELECTRICAL	3,553	3,416	3,282	3,589	3,571	-3.9	-3.9	9.4	-.5
ENGINEERING SCIENCE	649	669	711	663	621	3.1	6.3	-6.8	-6.3
INDUSTRIAL	1,379	1,835	2,105	2,317	2,243	33.1	14.7	10.1	-3.2
MECHANICAL	1,832	1,844	1,821	1,825	1,867	.7	-1.2	.2	2.3
METALLURGICAL/MATERIALS	292	314	262	269	262	7.5	-16.6	2.7	-2.6
MINING	46	61	101	116	113	32.6	65.6	14.9	-2.6
NUCLEAR	204	179	221	198	183	-12.3	23.5	-10.4	-7.6
PETROLEUM	10	16	32	46	63	60.0	100.0	43.8	37.0
ENGINEERING, N.E.C.	890	895	1,093	1,183	1,166	.6	22.1	8.2	-1.4
PHYSICAL SCIENCES	1,931	2,014	1,996	1,900	2,039	4.3	-.9	-4.8	7.3
ASTRONOMY	55	46	53	39	37	-16.4	15.2	-26.4	-5.1
CHEMISTRY	1,190	1,280	1,244	1,189	1,249	7.6	-2.8	-4.4	5.0
PHYSICS	663	675	671	629	708	1.8	-.6	-6.3	12.6
PHYSICAL SCIENCES, N.E.C.	23	13	28	43	45	-43.5	115.4	53.6	4.7
ENVIRONMENTAL SCIENCES	1,395	1,672	1,727	1,824	1,775	19.9	3.3	5.6	-2.7
ATMOSPHERIC SCIENCES	78	90	98	109	120	15.4	8.9	11.2	10.1
GEOSCIENCES	822	868	922	976	1,045	5.6	6.2	5.9	7.1
OCEANOGRAPHY	154	270	240	262	229	75.3	-11.1	9.2	-12.6
ENVIRONMENTAL SCIENCES, N.E.C.	341	444	467	477	381	30.2	5.2	2.1	-20.1
MATHEMATICAL SCIENCES	4,515	4,941	4,975	4,593	4,881	9.4	.7	-7.7	6.3
COMPUTER SCIENCE	1,852	2,085	2,200	2,089	2,377	12.6	5.5	-5.0	13.8
MATHEMATICS AND APPLIED MATHEMATICS	2,384	2,558	2,500	2,247	2,239	7.3	-2.3	-10.1	-.4
STATISTICS	279	298	275	257	265	6.8	-7.7	-6.5	3.1
LIFE SCIENCES	8,724	10,340	10,972	12,738	14,034	18.5	6.1	16.1	10.2
AGRICULTURAL SCIENCES	1,449	1,641	1,647	1,749	1,922	13.3	.4	6.2	9.9
BIOLOGICAL SCIENCES	3,850	4,186	4,299	4,692	4,985	8.7	2.7	9.1	6.2
ANATOMY	70	62	54	64	65	-11.4	-12.9	18.5	1.6
BIOCHEMISTRY	186	221	183	175	189	18.8	-17.2	-4.4	8.0
BIOLOGY	1,248	1,458	1,514	1,521	1,547	16.8	3.8	.5	1.7
BIOMETRY/EPIDEMIOLOGY	62	60	49	90	99	-3.2	-18.3	83.7	10.0
BIOPHYSICS	40	88	24	21	16	120.0	-72.7	-12.5	-23.8
BOTANY	197	234	259	272	253	18.8	10.7	5.0	-7.0
CELL BIOLOGY	12	10	15	26	16	-16.7	50.0	73.3	-38.5
ECOLOGY	42	68	101	81	85	61.9	48.5	-19.8	4.9
ENTOMOLOGY/PARASITOLOGY	165	184	178	210	196	11.5	-3.3	18.0	-6.7
GENETICS	31	50	34	32	38	61.3	-32.0	-5.9	18.8
MICROBIOLOGY	362	290	377	398	474	-19.9	30.0	5.6	19.1
NUTRITION	335	327	415	671	781	-2.4	26.9	61.7	16.4
PATHOLOGY	91	136	90	138	111	49.5	-33.8	53.3	-19.6
PHARMACOLOGY	79	58	73	76	78	-26.6	25.9	4.1	2.6
PHYSIOLOGY	253	168	172	123	188	-33.6	2.4	-28.5	52.8
ZOOLOGY	397	446	406	417	431	12.3	-9.0	2.7	3.4
BIOSCIENCES, N.E.C.	280	326	355	377	418	16.4	8.9	6.2	10.9
HEALTH SCIENCES	3,425	4,513	5,026	6,297	7,127	31.8	11.4	25.3	13.2
ANESTHESIOLOGY	0	0	0	0	0	**	**	**	**
CARDIOLOGY	0	0	2	0	0	**	**	-100.0	**
CLINICAL PHARMACOLOGY	1	1	0	0	0	.0	-100.0	**	**
DENTISTRY	109	114	106	119	144	4.6	-7.0	12.3	21.0
ENDOCRINOLOGY	3	0	2	2	3	-100.0	**	.0	50.0
GASTROENTEROLOGY	1	0	0	0	0	-100.0	**	**	**
HEMATOLOGY	0	0	0	0	0	**	**	**	**
NEUROLOGY	5	3	2	1	1	-40.0	-33.3	-50.0	.0
NURSING	1,381	1,821	2,333	3,185	3,671	31.9	28.1	36.5	15.3
OBSTETRICS/GYNECOLOGY	12	2	5	0	1	-83.3	150.0	-100.0	**
OPHTHALMOLOGY	2	5	4	6	1	150.0	-20.0	50.0	-83.3
OTORHINOLARYNGOLOGY	0	4	4	0	1	**	.0	-100.0	**
PEDIATRICS	27	21	33	2	0	-22.2	57.1	-93.9	-100.0
PHARMACEUTICAL SCIENCES	242	229	210	218	228	-5.4	-8.3	3.8	4.6
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	381	519	687	814	908	36.2	32.4	18.5	11.5
PSYCHIATRY	76	33	32	20	27	-56.6	-3.0	-37.5	35.0
PULMONARY DISEASE	0	0	0	0	0	**	**	**	**
RADIOLOGY	42	58	12	40	32	38.1	-79.3	233.3	-20.0
SPEECH PATH/AUDIOLOGY	743	1,012	871	1,144	1,183	36.2	-13.9	31.3	3.4
SURGERY	30	10	8	7	7	-66.7	-20.0	-12.5	.0
VETERINARY SCIENCES	152	170	170	190	239	11.8	.0	11.8	25.8
CLINICAL MEDICINE, N.E.C.	38	27	40	50	69	-28.9	48.1	25.0	38.0
HEALTH RELATED, N.E.C.	180	484	505	499	612	168.9	4.3	-1.2	22.6
PSYCHOLOGY	2,735	3,603	2,987	3,233	3,313	31.7	-17.1	8.2	2.5
SOCIAL SCIENCES	11,500	14,385	13,951	14,141	15,631	25.1	-3.0	1.4	10.5
AGRICULTURAL ECONOMICS	156	223	222	246	231	42.9	-.4	10.8	-6.1
ANTHROPOLOGY	761	871	928	869	995	14.5	6.5	-6.4	14.5
ECONOMICS (EXCEPT AGRICULTURAL)	1,669	1,675	1,662	1,597	1,792	.4	-.8	-3.9	12.2
GEOGRAPHY	724	722	779	750	725	-.3	7.9	-3.7	-3.3
HISTORY AND PHILOSOPHY OF SCIENCE	12	23	29	28	21	91.7	26.1	-3.4	-25.0
LINGUISTICS	385	520	566	689	800	35.1	8.8	21.7	16.1
POLITICAL SCIENCE	3,888	4,909	4,695	4,846	5,185	26.3	-4.4	3.2	7.0
SOCIOLOGY	2,342	2,671	2,398	2,088	2,431	14.0	-10.2	-12.9	16.4
SOCIOLOGY/ANTHROPOLOGY	260	343	362	231	216	31.9	5.5	-36.2	-6.5
SOCIAL SCIENCES, N.E.C.	1,303	2,428	2,310	2,797	3,235	86.3	-4.9	21.1	15.7

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-24. PART-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	28,096	34,507	35,556	39,039	38,714	22.8	3.0	9.8	-0.8
ENGINEERING	10,923	14,649	14,682	15,863	15,967	34.1	.2	8.0	-5.0
AERONAUTICAL	97	73	45	63	56	-24.7	-38.4	40.0	-11.1
AGRICULTURAL	2	1	1	0	0	-50.0	.0	-100.0	**
BIOMEDICAL	96	84	78	108	108	-12.5	-7.1	38.5	.0
CHEMICAL	562	490	517	502	505	-12.8	5.5	-2.9	.6
CIVIL	1,719	1,937	1,832	1,770	1,682	12.7	-5.4	-3.4	-5.0
ELECTRICAL	4,184	4,113	3,970	4,526	4,552	-1.7	-3.5	14.0	.6
ENGINEERING SCIENCE	84	58	29	34	34	-31.0	-50.0	17.2	.0
INDUSTRIAL	1,966	5,493	5,785	5,867	5,247	179.4	5.3	1.4	-10.6
MECHANICAL	1,466	1,301	1,137	1,475	1,332	-11.3	-12.6	29.7	-9.7
METALLURGICAL/MATERIALS	309	303	292	295	280	-1.9	-3.6	1.0	-5.1
MINING	3	5	6	5	5	66.7	20.0	-16.7	.0
NUCLEAR	226	191	157	133	97	-15.5	-17.8	-15.3	-27.1
PETROLEUM	34	58	21	33	37	70.6	-63.8	57.1	12.1
ENGINEERING, N.E.C.	175	542	812	1,092	1,132	209.7	49.8	29.6	7.6
PHYSICAL SCIENCES	1,395	1,327	1,471	1,447	1,347	-4.9	10.9	-1.6	-6.9
ASTRONOMY	4	5	7	4	0	25.0	40.0	-42.9	-100.0
CHEMISTRY	866	838	875	925	880	-3.2	4.4	5.7	-4.9
PHYSICS	495	420	427	362	315	-15.2	1.7	-15.2	-13.0
PHYSICAL SCIENCES, N.E.C.	30	64	162	156	152	113.3	153.1	-3.7	-2.6
ENVIRONMENTAL SCIENCES	358	334	318	424	370	-6.7	-4.8	33.3	-12.7
ATMOSPHERIC SCIENCES	90	15	10	3	1	-83.3	-33.3	-70.0	-66.7
GEOSCIENCES	199	256	238	219	197	28.6	-7.0	-8.0	-10.0
OCEANOGRAPHY	62	58	55	167	138	-6.5	-5.2	203.6	-17.4
ENVIRONMENTAL SCIENCES, N.E.C.	7	5	15	35	34	-28.6	200.0	133.3	-2.9
MATHEMATICAL SCIENCES	2,386	2,342	2,349	2,624	3,046	-1.8	.3	11.7	16.1
COMPUTER SCIENCE	715	815	877	1,186	1,702	14.0	7.6	35.2	43.5
MATHEMATICS AND APPLIED MATHEMATICS	1,596	1,432	1,372	1,353	1,263	-10.3	-4.2	-1.4	-6.7
STATISTICS	75	95	100	85	81	26.7	5.3	-15.0	-4.7
LIFE SCIENCES	3,126	3,570	4,149	6,194	6,140	14.2	16.2	49.3	-.9
AGRICULTURAL SCIENCES	12	11	9	16	15	-8.3	-18.2	77.8	-6.3
BIOLOGICAL SCIENCES	1,804	2,139	2,197	2,582	2,256	18.6	2.7	17.5	-12.6
ANATOMY	23	22	20	38	23	-4.3	-9.1	90.0	-39.5
BIOCHEMISTRY	83	71	66	65	87	-14.5	-7.0	-1.5	33.8
BIOLOGY	1,033	1,388	1,442	1,532	1,249	34.4	3.9	6.2	-18.5
BIOMETRY/EPIDEMIOLOGY	62	42	45	68	58	-32.3	7.1	51.1	-14.7
BIOPHYSICS	3	4	4	2	0	33.3	.0	-50.0	-100.0
BOTANY	29	35	41	25	32	20.7	17.1	-39.0	28.0
CELL BIOLOGY	10	11	15	9	5	10.0	36.4	-40.0	-44.4
ECOLOGY	0	0	1	0	0	**	**	-100.0	**
ENTOMOLOGY/PARASITOLOGY	3	0	0	3	4	-100.0	**	**	33.3
GENETICS	17	10	37	41	50	-41.2	270.0	10.8	22.0
MICROBIOLOGY	87	100	96	125	83	14.9	-4.0	30.2	-33.6
NUTRITION	41	61	76	130	90	48.8	24.6	71.1	-30.8
PATHOLOGY	42	29	24	75	93	-31.0	-17.2	212.5	24.0
PHARMACOLOGY	43	42	41	47	60	-2.3	-2.4	14.6	27.7
PHYSIOLOGY	109	92	94	79	113	-15.6	2.2	-16.0	43.0
ZOOLOGY	46	16	6	19	27	-65.2	-62.5	216.7	42.1
BIOSCIENCES, N.E.C.	173	216	189	324	282	24.9	-12.5	71.4	-13.0
HEALTH SCIENCES	1,310	1,420	1,943	3,596	3,869	8.4	36.8	85.1	7.6
ANESTHESIOLOGY	0	0	0	2	3	**	**	**	50.0
CARDIOLOGY	4	1	0	2	0	-75.0	-100.0	**	-100.0
CLINICAL PHARMACOLOGY	1	0	0	0	2	-100.0	**	**	**
DENTISTRY	23	84	78	121	110	265.2	-7.1	55.1	-9.1
ENDOCRINOLOGY	0	0	2	5	0	**	**	150.0	-100.0
GASTROENTEROLOGY	0	4	0	0	0	**	-100.0	**	**
HEMATOLOGY	0	0	1	0	0	**	**	-100.0	**
NEUROLOGY	5	0	7	7	1	-100.0	**	.0	-85.7
NURSING	143	180	469	1,558	1,589	25.9	160.6	232.2	2.0
OBSTETRICS/GYNECOLOGY	1	0	2	2	2	-100.0	**	.0	.0
OPHTHALMOLOGY	2	0	1	1	0	-100.0	**	.0	-100.0
OTORHINOLARYNGOLOGY	3	0	0	1	0	-100.0	**	**	-100.0
PEDIATRICS	3	6	3	3	5	100.0	-50.0	.0	66.7
PHARMACEUTICAL SCIENCES	466	611	587	691	723	31.1	-3.9	17.7	4.6
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	140	175	273	383	454	25.0	56.0	40.3	18.5
PSYCHIATRY	16	26	7	13	13	62.5	-73.1	85.7	.0
PULMONARY DISEASE	0	0	0	0	0	**	**	**	**
RADIOLOGY	10	2	0	1	1	-80.0	-100.0	**	.0
SPEECH PATH/AUDIOLOGY	182	201	175	167	240	10.4	-12.9	-4.6	43.7
SURGERY	2	1	4	11	8	-50.0	300.0	175.0	-27.3
VETERINARY SCIENCES	0	1	0	1	0	**	-100.0	**	-100.0
CLINICAL MEDICINE, N.E.C.	269	0	3	17	37	-100.0	**	466.7	117.6
HEALTH RELATED, N.E.C.	40	128	331	610	681	220.0	158.6	84.3	11.6
PSYCHOLOGY	3,272	3,676	3,812	3,765	3,930	12.3	3.7	-1.2	4.4
SOCIAL SCIENCES	6,636	8,609	8,775	8,722	8,814	29.7	1.9	-.6	1.1
AGRICULTURAL ECONOMICS	2	0	0	0	0	-100.0	**	**	**
ANTHROPOLOGY	347	475	380	391	367	36.9	-20.0	2.9	-6.1
ECONOMICS (EXCEPT AGRICULTURAL)	1,560	1,222	1,374	1,351	1,116	-21.7	12.4	-1.7	-17.4
GEOGRAPHY	54	63	34	38	39	16.7	-46.0	11.8	2.6
HISTORY AND PHILOSOPHY OF SCIENCE	28	21	23	15	19	-25.0	9.5	-34.8	26.7
LINGUISTICS	189	314	252	366	306	66.1	-19.7	45.2	-16.4
POLITICAL SCIENCE	2,359	4,034	4,281	3,963	4,409	71.0	6.1	-7.4	11.3
SOCIOLOGY	812	815	841	778	606	.4	3.2	-7.5	-22.1
SOCIOLOGY/ANTHROPOLOGY	200	241	270	342	350	20.5	12.0	26.7	2.3
SOCIAL SCIENCES, N.E.C.	1,085	1,424	1,320	1,478	1,602	31.2	-7.3	12.0	8.4

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-25. FIRST-YEAR PART-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	28,844	33,508	31,261	35,087	32,023	16.2	-6.7	12.2	-8.7
ENGINEERING	10,395	12,815	11,912	13,045	10,741	23.3	-7.0	9.5	-17.7
AERONAUTICAL	122	162	89	127	98	32.8	-45.1	42.7	-22.8
AGRICULTURAL	20	28	40	27	36	40.0	42.9	-32.5	33.3
BIOMEDICAL	42	35	51	34	41	-16.7	45.7	-33.3	20.6
CHEMICAL	590	549	455	502	441	-6.9	-17.1	10.3	-12.2
CIVIL	1,637	1,716	1,494	1,512	1,263	4.8	-12.9	1.2	-16.5
ELECTRICAL	3,794	3,566	3,311	4,164	3,414	-6.0	-7.2	29.8	-18.0
ENGINEERING SCIENCE	313	290	304	223	181	-7.3	4.8	-26.6	-18.8
INDUSTRIAL	1,409	4,138	3,966	4,013	3,252	194.5	-4.2	1.2	-19.0
MECHANICAL	1,573	1,247	1,135	1,240	998	-20.7	-9.0	9.3	-19.5
METALLURGICAL/MATERIALS	184	135	128	162	140	-26.6	-5.2	26.6	-13.6
MINING	14	16	42	30	29	14.3	162.5	-28.6	-3.3
NUCLEAR	207	156	100	79	63	-24.6	-35.9	-21.0	-20.3
PETROLEUM	8	19	9	20	23	137.5	-52.6	122.2	15.0
ENGINEERING, N.E.C.	486	758	788	912	762	56.0	4.0	15.7	-16.4
PHYSICAL SCIENCES	1,049	1,003	996	966	1,003	-4.4	-.7	-3.0	3.8
ASTRONOMY	10	4	17	13	6	-60.0	325.0	-23.5	-53.8
CHEMISTRY	698	649	665	621	628	-7.0	2.5	-6.6	1.1
PHYSICS	310	301	259	227	289	-2.9	-14.0	-12.4	27.3
PHYSICAL SCIENCES, N.E.C.	31	49	55	105	80	58.1	12.2	90.9	-23.8
ENVIRONMENTAL SCIENCES	557	598	495	568	476	7.4	-17.2	14.7	-16.2
ATMOSPHERIC SCIENCES	35	29	37	23	21	-17.1	27.6	-37.8	-8.7
GEOSCIENCES	264	282	211	214	199	6.8	-25.2	1.4	-7.0
OCEANOGRAPHY	65	99	65	161	133	52.3	-34.3	147.7	-17.4
ENVIRONMENTAL SCIENCES, N.E.C.	193	188	182	170	123	-2.6	-3.2	-6.6	-27.6
MATHEMATICAL SCIENCES	3,144	3,279	2,952	3,036	3,136	4.3	-10.0	2.8	3.3
COMPUTER SCIENCE	1,311	1,424	1,332	1,485	1,702	8.6	-6.5	11.5	14.6
MATHEMATICS AND APPLIED MATHEMATICS	1,746	1,745	1,513	1,481	1,346	-.1	-13.3	-2.1	-9.1
STATISTICS	87	110	107	70	88	26.4	-2.7	-34.6	25.7
LIFE SCIENCES	4,829	5,394	5,850	7,583	6,982	11.7	8.5	29.6	-7.9
AGRICULTURAL SCIENCES	388	425	421	444	429	9.5	-.9	5.5	-3.4
BIOLOGICAL SCIENCES	2,086	2,036	2,138	2,387	2,036	-2.4	5.0	11.6	-14.7
ANATOMY	34	29	16	18	12	-14.7	-44.8	12.5	-33.3
BIOCHEMISTRY	105	101	93	87	83	-3.8	-7.9	-6.5	-4.6
BIOLOGY	907	992	1,089	1,079	885	9.4	9.8	-.9	-18.0
BIOMETRY/EPIDEMIOLOGY	52	34	30	46	43	-34.6	-11.8	53.3	-6.5
BIOPHYSICS	8	38	4	4	2	375.0	-89.5	.0	-50.0
BOTANY	45	49	73	61	56	8.9	49.0	-16.4	-8.2
CELL BIOLOGY	8	10	9	8	2	25.0	-10.0	-11.1	-75.0
ECOLOGY	14	10	23	22	18	-28.6	130.0	-4.3	-18.2
ENTOMOLOGY/PARASITOLOGY	25	39	42	52	44	56.0	7.7	23.8	-15.4
GENETICS	24	22	22	16	14	-8.3	.0	-27.3	-12.5
MICROBIOLOGY	151	109	122	165	128	-27.8	11.9	35.2	-22.4
NUTRITION	192	161	197	299	231	-16.1	22.4	51.8	-22.7
PATHOLOGY	68	59	29	81	63	-13.2	-50.8	179.3	-22.2
PHARMACOLOGY	45	26	29	32	61	-42.2	11.5	10.3	90.6
PHYSIOLOGY	142	93	88	85	99	-34.5	-5.4	-3.4	16.5
ZOOLOGY	73	85	89	87	98	16.4	4.7	-2.2	12.6
BIOSCIENCES, N.E.C.	193	179	183	245	197	-7.3	2.2	33.9	-19.6
HEALTH SCIENCES	2,395	2,933	3,291	4,752	4,517	24.5	12.2	44.4	-4.9
ANESTHESIOLOGY	0	0	0	2	2	**	**	**	.0
CARDIOLOGY	2	1	0	0	0	-50.0	-100.0	**	**
CLINICAL PHARMACOLOGY	0	1	0	0	0	**	-100.0	**	**
DENTISTRY	37	53	38	68	44	43.2	-28.3	78.9	-35.3
ENDOCRINOLOGY	2	0	0	2	1	-100.0	**	**	-50.0
GASTROENTEROLOGY	0	0	0	0	0	**	**	**	**
HEMATOLOGY	0	0	1	0	0	**	**	-100.0	**
NEUROLOGY	0	3	0	0	1	**	-100.0	**	**
NURSING	1,057	1,351	1,688	2,590	2,344	26.6	24.9	53.4	-9.5
OBSTETRICS/GYNECOLOGY	4	1	2	0	1	-75.0	100.0	-100.0	**
OPHTHALMOLOGY	0	0	1	0	0	**	**	-100.0	**
OTORHINOLARYNGOLOGY	1	1	0	0	1	.0	-100.0	**	**
PEDIATRICS	10	2	30	3	0	-80.0	1400.0	-90.0	-100.0
PHARMACEUTICAL SCIENCES	231	285	277	291	328	23.4	-2.8	5.1	12.7
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	246	319	452	539	573	29.7	41.7	19.2	6.3
PSYCHIATRY	17	8	7	3	7	-52.9	-12.5	-57.1	133.3
PULMONARY DISEASE	0	0	0	0	0	**	**	**	**
RADIOLOGY	26	16	0	10	10	-38.5	-100.0	**	.0
SPEECH PATH/AUDIOLOGY	456	490	341	502	491	7.5	-30.4	47.2	-2.2
SURGERY	21	3	1	3	1	-85.7	-66.7	200.0	-66.7
VETERINARY SCIENCES	55	66	45	61	73	20.0	-31.8	35.6	19.7
CLINICAL MEDICINE, N.E.C.	62	8	13	17	47	-87.1	62.5	30.8	176.5
HEALTH RELATED, N.E.C.	118	325	395	661	593	175.4	21.5	67.3	-10.3
PSYCHOLOGY	1,939	1,971	1,585	1,686	1,543	1.7	-19.6	6.4	-8.5
SOCIAL SCIENCES	6,931	8,448	7,471	8,203	8,142	21.9	-11.6	9.8	-.7
AGRICULTURAL ECONOMICS	24	50	67	62	40	108.3	34.0	-7.5	-35.5
ANTHROPOLOGY	212	247	262	232	201	16.5	6.1	-11.5	-13.4
ECONOMICS (EXCEPT AGRICULTURAL)	1,074	912	764	817	764	-15.1	-16.2	6.9	-6.5
GEOGRAPHY	154	159	191	179	155	3.2	20.1	-6.3	-13.4
HISTORY AND PHILOSOPHY OF SCIENCE	10	4	7	4	9	-60.0	75.0	-42.9	125.0
LINGUISTICS	223	251	287	366	406	12.6	14.3	27.5	10.9
POLITICAL SCIENCE	2,706	3,488	2,978	3,323	3,375	28.9	-14.6	11.6	1.6
SOCIOLOGY	984	1,053	989	876	778	7.0	-6.1	-11.4	-11.2
SOCIOLOGY/ANTHROPOLOGY	166	178	135	136	148	7.2	-24.2	.7	8.8
SOCIAL SCIENCES, N.E.C.	1,378	2,106	1,791	2,208	2,266	52.8	-15.0	23.3	2.6

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-26. PART-TIME GRADUATE STUDENTS BEYOND FIRST YEAR IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	42,557	51,290	54,430	56,452	62,371	20.5	6.1	3.7	10.5
ENGINEERING	13,033	15,170	16,297	16,889	18,333	16.4	7.4	3.6	8.5
AERONAUTICAL	297	262	206	187	213	-11.8	-21.4	-9.2	13.9
AGRICULTURAL	77	71	94	89	113	-7.8	32.4	-5.3	27.0
BIOMEDICAL	71	84	120	120	139	18.3	42.9	.0	15.8
CHEMICAL	802	896	961	761	874	11.7	7.3	-20.8	14.8
CIVIL	2,468	2,889	2,862	2,949	3,051	17.1	-.9	3.0	3.5
ELECTRICAL	3,943	3,963	3,941	3,951	4,709	.5	-.6	.3	19.2
ENGINEERING SCIENCE	420	437	436	474	474	4.0	-.2	8.7	.0
INDUSTRIAL	1,940	3,190	3,924	4,171	4,238	64.4	23.0	6.3	1.6
MECHANICAL	1,725	1,898	1,823	2,060	2,201	10.0	-4.0	13.0	6.8
METALLURGICAL/MATERIALS	417	482	426	402	402	15.6	-11.6	-5.6	.0
MINING	35	50	65	91	89	42.9	30.0	40.0	-2.2
NUCLEAR	223	214	278	252	217	-4.0	29.9	-9.4	-13.9
PETROLEUM	36	55	44	59	77	52.8	-20.0	34.1	30.5
ENGINEERING, N.E.C.	579	679	1,117	1,323	1,536	17.3	64.5	18.4	16.1
PHYSICAL SCIENCES	2,277	2,338	2,471	2,381	2,383	2.7	5.7	-3.6	.1
ASTRONOMY	49	47	43	30	31	-4.1	-8.5	-30.2	3.3
CHEMISTRY	1,358	1,469	1,454	1,493	1,501	8.2	-1.0	2.7	.5
PHYSICS	848	794	839	764	734	-6.4	5.7	-8.9	-3.9
PHYSICAL SCIENCES, N.E.C.	22	28	135	94	117	27.3	382.1	-30.4	24.5
ENVIRONMENTAL SCIENCES	1,196	1,408	1,550	1,680	1,669	17.7	10.1	8.4	-.7
ATMOSPHERIC SCIENCES	133	76	71	89	100	-42.9	-6.6	25.4	12.4
GEOSCIENCES	757	842	949	981	1,043	11.2	12.7	3.4	6.3
OCEANOGRAPHY	151	229	230	268	234	51.7	.4	16.5	-12.7
ENVIRONMENTAL SCIENCES, N.E.C.	155	261	300	342	292	68.4	14.9	14.0	-14.6
MATHEMATICAL SCIENCES	3,757	4,004	4,372	4,181	4,791	6.6	9.2	-4.4	14.6
COMPUTER SCIENCE	1,256	1,476	1,745	1,790	2,377	17.5	18.2	2.6	32.8
MATHEMATICS AND APPLIED MATHEMATICS	2,234	2,245	2,359	2,119	2,156	.5	5.1	-10.2	1.7
STATISTICS	267	283	268	272	258	6.0	-5.3	1.5	-5.1
LIFE SCIENCES	7,021	8,516	9,271	11,349	13,192	21.3	8.9	22.4	16.2
AGRICULTURAL SCIENCES	1,073	1,227	1,235	1,321	1,508	14.4	.7	7.0	14.2
BIOLOGICAL SCIENCES	3,568	4,289	4,358	4,887	5,205	20.2	1.6	12.1	6.5
ANATOMY	59	55	58	84	76	-6.8	5.5	44.8	-9.5
BIOCHEMISTRY	164	191	156	153	193	16.5	-18.3	-1.9	26.1
BIOLOGY	1,374	1,854	1,867	1,974	1,911	34.9	.7	5.7	-3.2
BIOMETRY/EPIDEMIOLOGY	72	68	64	112	114	-5.6	-5.9	75.0	1.8
BIOPHYSICS	35	54	24	19	14	54.3	-55.6	-20.8	-26.3
BOTANY	181	220	227	236	229	21.5	3.2	4.0	-3.0
CELL BIOLOGY	14	11	21	27	19	-21.4	90.9	28.6	-29.6
ECOLOGY	28	58	79	59	67	107.1	36.2	-25.3	13.6
ENTOMOLOGY/PARASITOLOGY	143	145	136	161	156	1.4	-6.2	18.4	-3.1
GENETICS	24	38	49	57	74	58.3	28.9	16.3	29.8
MICROBIOLOGY	298	281	351	358	429	-5.7	24.9	2.0	19.8
NUTRITION	184	227	294	502	640	23.4	29.5	70.7	27.5
PATHOLOGY	65	106	85	132	141	63.1	-19.8	55.3	6.8
PHARMACOLOGY	77	74	85	91	77	-3.9	14.9	7.1	-15.4
PHYSIOLOGY	220	167	178	117	202	-24.1	6.6	-34.3	72.6
ZOOLOGY	370	377	323	349	360	1.9	-14.3	8.0	3.2
BIOSCIENCES, N.E.C.	260	363	361	456	503	39.6	-.6	26.3	10.3
HEALTH SCIENCES	2,380	3,000	3,678	5,141	6,479	26.1	22.6	39.8	26.0
ANESTHESIOLOGY	0	0	0	0	1	**	**	**	**
CARDIOLOGY	2	0	2	2	0	-100.0	**	.0	-100.0
CLINICAL PHARMACOLOGY	2	0	0	0	2	-100.0	**	**	**
DENTISTRY	95	145	146	172	210	52.6	.7	17.8	22.1
ENDOCRINOLOGY	1	0	4	5	2	-100.0	**	25.0	-60.0
GASTROENTEROLOGY	1	4	0	0	0	300.0	-100.0	**	**
HEMATOLOGY	0	0	0	0	0	**	**	**	**
NEUROLOGY	10	0	9	8	1	-100.0	**	-11.1	-87.5
NURSING	457	650	1,114	2,153	2,916	42.2	71.4	93.3	35.4
OBSTETRICS/GYNECOLOGY	9	1	5	2	2	-88.9	400.0	-60.0	.0
OPHTHALMOLOGY	4	5	4	7	1	25.0	-20.0	75.0	-85.7
OTORHINOLARYNGOLOGY	2	3	4	1	0	50.0	33.3	-75.0	-100.0
PEDIATRICS	20	25	6	2	5	25.0	-76.0	-66.7	150.0
PHARMACEUTICAL SCIENCES	477	555	520	618	623	16.4	-6.3	18.8	.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	275	375	508	658	789	36.4	35.5	29.5	19.9
PSYCHIATRY	75	51	32	30	33	-32.0	-37.3	-6.3	10.0
PULMONARY DISEASE	0	0	0	0	0	**	**	**	**
RADIOLOGY	26	44	12	31	23	69.2	-72.7	158.3	-25.8
SPEECH PATH/AUDIOLOGY	469	723	705	809	932	54.2	-2.5	14.8	15.2
SURGERY	11	8	11	15	14	-27.3	37.5	36.4	-6.7
VETERINARY SCIENCES	97	105	125	130	166	8.2	19.0	4.0	27.7
CLINICAL MEDICINE, N.E.C.	245	19	30	50	59	-92.2	57.9	66.7	18.0
HEALTH RELATED, N.E.C.	102	287	441	448	700	181.4	53.7	1.6	56.3
PSYCHOLOGY	4,068	5,308	5,214	5,312	5,700	30.5	-1.8	1.9	7.3
SOCIAL SCIENCES	11,205	14,546	15,255	14,660	16,303	29.8	4.9	-3.9	11.2
AGRICULTURAL ECONOMICS	134	173	155	184	191	29.1	-10.4	18.7	3.8
ANTHROPOLOGY	896	1,099	1,046	1,028	1,161	22.7	-4.8	-1.7	12.9
ECONOMICS (EXCEPT AGRICULTURAL)	2,155	1,985	2,272	2,131	2,144	-7.9	14.5	-6.2	.6
GEOGRAPHY	624	626	622	609	609	.3	-.6	-2.1	.0
HISTORY AND PHILOSOPHY OF SCIENCE	30	40	45	39	31	33.3	12.5	-13.3	-20.5
LINGUISTICS	351	583	531	689	700	66.1	-8.9	29.8	1.6
POLITICAL SCIENCE	3,541	5,455	5,998	5,486	6,219	54.1	10.0	-8.5	13.4
SOCIOLOGY	2,170	2,433	2,250	1,990	2,259	12.1	-7.5	-11.6	13.5
SOCIOLOGY/ANTHROPOLOGY	294	406	497	437	618	38.1	22.4	-12.1	4.3
SOCIAL SCIENCES, N.E.C.	1,010	1,746	1,839	2,067	2,571	72.9	5.3	12.4	24.4

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-27. PART-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION: 1974-78

DIVISION AND STATE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
UNITED STATES TOTAL	71,401	84,798	85,691	91,539	94,394	18.8	1.1	6.8	3.1
NEW ENGLAND	4,682	5,222	5,100	5,509	5,899	11.5	-2.3	8.0	7.1
CONNECTICUT	351	541	575	374	435	54.1	6.3	-35.0	16.3
MAINE	98	82	123	91	109	-16.3	50.0	-26.0	19.8
MASSACHUSETTS	3,616	3,937	3,807	4,424	4,713	8.9	-3.3	16.2	6.5
NEW HAMPSHIRE	92	65	75	91	136	-29.3	15.4	21.3	49.5
RHODE ISLAND	400	498	420	394	400	24.5	-15.7	-6.2	1.5
VERMONT	125	99	100	135	106	-20.8	1.0	35.0	-21.5
MIDDLE ATLANTIC	20,952	24,143	22,877	24,510	23,655	15.2	-5.2	7.1	-3.5
NEW JERSEY	4,865	5,554	5,103	5,285	5,305	14.2	-8.1	3.6	.4
NEW YORK	11,694	13,810	12,557	14,060	13,296	18.1	-9.1	12.0	-5.4
PENNSYLVANIA	4,393	4,779	5,217	5,165	5,054	8.8	9.2	-1.0	-2.1
EAST NORTH CENTRAL	11,303	12,475	12,840	13,604	14,689	10.4	2.9	6.0	8.0
ILLINOIS	2,693	2,752	2,908	3,791	4,077	2.2	5.7	30.4	7.5
INDIANA	1,107	1,199	1,467	1,498	1,436	8.3	22.4	2.1	-4.1
MICHIGAN	2,133	2,353	2,313	2,207	2,610	10.3	-1.7	-4.6	18.3
OHIO	3,764	4,377	4,346	4,491	4,891	16.3	-.7	3.3	8.9
WISCONSIN	1,606	1,794	1,806	1,617	1,679	11.7	.7	-10.5	3.8
WEST NORTH CENTRAL	4,880	4,852	5,007	5,677	6,178	-.6	3.2	13.4	8.8
IOWA	1,098	711	842	905	1,069	-35.2	18.4	7.5	18.1
KANSAS	707	889	879	1,085	1,351	25.7	-1.1	23.4	24.5
MINNESOTA	689	812	735	761	764	17.9	-9.5	3.5	.4
MISSOURI	1,666	1,741	1,815	1,830	1,849	4.5	4.3	.8	1.0
NEBRASKA	397	455	539	783	747	14.6	18.5	45.3	-4.6
NORTH DAKOTA	122	111	108	229	225	-9.0	-2.7	112.0	-1.7
SOUTH DAKOTA	201	133	89	84	173	-33.8	-33.1	-5.6	106.0
SOUTH ATLANTIC	10,177	12,142	14,009	15,482	16,516	19.3	15.4	10.5	6.7
DELAWARE	293	318	330	254	249	8.5	3.8	-23.0	-2.0
DISTRICT OF COLUMBIA	3,303	3,522	4,371	5,296	5,215	6.6	24.1	21.2	-1.5
FLORIDA	1,169	2,052	2,243	2,255	2,976	75.5	9.3	.5	32.0
GEORGIA	968	1,202	1,216	1,060	1,136	24.2	1.2	-12.8	7.2
MARYLAND	1,717	1,661	2,167	2,274	2,276	-3.3	30.5	4.9	.1
NORTH CAROLINA	845	931	920	1,116	1,136	10.2	-1.2	21.3	1.8
SOUTH CAROLINA	402	706	791	896	1,012	75.6	12.0	13.3	12.9
VIRGINIA	1,229	1,374	1,497	1,589	1,678	11.8	9.0	6.1	5.6
WEST VIRGINIA	251	376	474	742	838	49.8	26.1	56.5	12.9
EAST SOUTH CENTRAL	2,478	2,824	3,356	3,545	3,805	14.0	18.8	5.6	7.3
ALABAMA	543	693	945	1,102	1,070	27.6	36.4	16.6	-2.9
KENTUCKY	469	554	661	701	724	18.1	19.3	6.1	3.3
MISSISSIPPI	222	354	390	376	424	59.5	10.2	-3.6	12.8
TENNESSEE	1,244	1,223	1,360	1,366	1,587	-1.7	11.2	.4	16.2
WEST SOUTH CENTRAL	6,250	7,249	7,283	8,729	9,099	16.0	.5	19.9	4.2
ARKANSAS	173	162	195	263	312	-6.4	20.4	34.9	18.6
LOUISIANA	775	730	820	874	981	-5.8	12.3	6.6	12.2
OKLAHOMA	1,173	991	907	1,049	1,094	-15.5	-8.5	15.7	4.3
TEXAS	4,129	5,366	5,361	6,543	6,712	30.0	-.1	22.0	2.6
MOUNTAIN	3,601	4,633	4,393	4,632	4,883	28.7	-5.2	5.4	5.4
ARIZONA	1,003	1,419	1,252	1,319	1,335	41.5	-11.8	5.4	1.2
COLORADO	1,112	1,540	1,368	1,417	1,419	38.5	-11.2	3.6	.1
IDAHO	163	142	235	400	396	-12.9	65.5	70.2	-1.0
MONTANA	23	47	35	46	85	104.3	-25.5	31.4	84.8
NEVADA	93	98	138	123	109	5.4	40.8	-10.9	-11.4
NEW MEXICO	603	704	667	546	620	16.7	-5.3	-18.1	13.6
UTAH	526	593	601	701	841	12.7	1.3	16.6	20.0
WYOMING	78	90	97	80	78	15.4	7.8	-17.5	-2.5
PACIFIC	6,822	10,872	10,428	9,314	9,156	59.4	-4.1	-10.7	-1.7
ALASKA	49	42	38	38	28	-14.3	-9.5	.0	-26.3
CALIFORNIA	5,609	9,374	8,732	7,700	7,250	67.1	-6.8	-11.8	-5.8
HAWAII	107	153	143	170	168	43.0	-6.5	18.9	-1.2
OREGON	334	576	597	454	556	72.5	3.6	-24.0	22.5
WASHINGTON	723	727	918	952	1,154	.6	26.3	3.7	21.2
OUTLYING AREAS	256	386	398	537	514	50.8	3.1	34.9	-4.3

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-1. SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT:

DEPARTMENTAL POPULATION AT DOCTORATE-GRANTING INSTITUTIONS: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS	7,562	7,732	7,846	8,084	8,242	2.2	1.5	3.0	2.0
ENGINEERING	1,008	1,019	1,015	1,021	1,020	.7	.0	.6	-.1
AERONAUTICAL	41	39	37	37	36	-4.9	-5.1	.0	-2.7
AGRICULTURAL	45	47	47	45	44	4.4	.0	-4.3	-2.2
BIOMEDICAL	34	35	36	37	38	2.9	2.9	2.8	2.7
CHEMICAL	118	119	118	120	120	.8	-.8	1.7	.0
CIVIL	139	144	142	144	142	3.6	-1.4	1.4	-1.4
ELECTRICAL	147	147	146	146	146	.0	-.7	.0	.0
ENGINEERING SCIENCE	59	56	57	56	56	-5.1	1.8	-1.8	.0
INDUSTRIAL	101	103	104	104	101	2.0	1.0	.0	-2.9
MECHANICAL	136	135	134	137	136	-.7	-.7	2.2	-.7
METALLURGICAL/MATERIALS	68	69	67	68	67	1.5	-2.9	1.5	-1.5
MINING	19	18	18	19	20	-5.3	.0	5.6	5.3
NUCLEAR	32	33	32	31	33	3.1	-3.0	-3.1	6.5
PETROLEUM	13	15	15	14	14	15.4	.0	-6.7	.0
ENGINEERING, N.E.C.	56	55	62	63	67	-1.8	12.7	1.6	6.3
PHYSICAL SCIENCES	515	527	517	519	519	2.3	-1.9	.4	.0
ASTRONOMY	32	34	30	30	31	6.3	-11.8	.0	3.3
CHEMISTRY	242	246	244	244	244	1.7	-.8	.0	.0
PHYSICS	232	237	236	236	235	2.2	-.4	.0	-.4
PHYSICAL SCIENCES, N.E.C.	9	10	7	9	9	11.1	-30.0	28.6	.0
ENVIRONMENTAL SCIENCES	257	263	271	279	286	2.3	3.0	3.0	2.5
ATMOSPHERIC SCIENCES	27	26	29	30	30	-3.7	11.5	3.4	.0
GEOSCIENCES	174	177	178	177	179	1.7	.6	-.6	1.1
OCEANOGRAPHY	36	37	38	40	40	2.8	2.7	5.3	.0
ENVIRONMENTAL SCIENCES, N.E.C.	20	23	26	32	37	15.0	13.0	23.1	15.6
MATHEMATICAL SCIENCES	374	387	396	400	413	3.5	2.3	1.0	3.2
COMPUTER SCIENCE	83	90	95	96	103	8.4	5.6	1.1	7.3
MATHEMATICS AND APPLIED MATHEMATICS	245	250	252	253	257	2.0	.8	.4	1.6
STATISTICS	46	47	49	51	53	2.2	4.3	4.1	3.9
LIFE SCIENCES	4,077	4,185	4,238	4,405	4,508	2.6	1.3	3.9	2.3
AGRICULTURAL SCIENCES	317	310	310	311	305	-2.2	.0	.3	-1.9
BIOLOGICAL SCIENCES	1,475	1,496	1,487	1,531	1,575	1.4	-.6	3.0	2.9
ANATOMY	102	100	100	103	111	-2.0	.0	3.0	7.8
BIOCHEMISTRY	159	156	154	158	166	-1.9	-1.3	2.6	5.1
BIOLOGY	182	190	191	194	196	4.4	.5	1.6	1.0
BIOMETRY/EPIDEMIOLOGY	34	32	32	39	39	-5.9	.0	21.9	.0
BIOPHYSICS	34	38	35	34	36	11.8	-7.9	-2.9	5.9
BOTANY	86	84	84	84	82	-2.3	.0	.0	-2.4
CELL BIOLOGY	26	26	26	28	30	.0	.0	7.7	7.1
ECOLOGY	14	15	18	19	19	7.1	20.0	5.6	.0
ENTOMOLOGY/PARASITOLOGY	44	47	47	46	48	6.8	.0	-2.1	4.3
GENETICS	51	51	51	54	55	.0	.0	5.9	1.9
MICROBIOLOGY	170	174	173	179	180	2.4	-.6	3.5	.6
NUTRITION	72	70	69	72	76	-2.8	-1.4	4.3	5.6
PATHOLOGY	136	139	139	143	147	2.2	.0	2.9	2.8
PHARMACOLOGY	126	132	133	139	146	4.8	.8	4.5	5.0
PHYSIOLOGY	130	130	126	133	137	.0	-3.1	5.6	3.0
ZOOLOGY	64	62	60	55	53	-3.1	-3.2	-8.3	-3.6
BIOSCIENCES, N.E.C.	45	50	49	51	54	11.1	-2.0	4.1	5.9
HEALTH SCIENCES	2,285	2,379	2,441	2,563	2,628	4.1	2.6	5.0	2.5
ANESTHESIOLOGY	93	96	95	99	98	3.2	-1.0	4.2	-1.0
CARDIOLOGY	100	96	97	97	97	-4.0	1.0	.0	.0
CLINICAL PHARMACOLOGY	21	22	22	23	23	4.8	.0	4.5	.0
DENTISTRY	54	74	98	130	135	37.0	32.4	32.7	3.8
ENDOCRINOLOGY	94	97	99	98	98	3.2	2.1	-1.0	.0
GASTROENTEROLOGY	86	85	86	86	86	-1.2	1.2	.0	.0
HEMATOLOGY	92	91	90	89	89	-1.1	-1.1	-1.1	.0
NEUROLOGY	99	106	108	109	111	7.1	1.9	.9	1.8
NURSING	38	45	58	79	83	18.4	28.9	36.2	5.1
OBSTETRICS/GYNECOLOGY	105	108	107	106	106	2.9	-.9	-.9	.0
OPHTHALMOLOGY	96	99	99	99	100	3.1	.0	.0	1.0
OTORHINOLARYNGOLOGY	93	93	94	93	93	.0	1.1	-1.1	.0
PEDIATRICS	107	108	108	108	109	.9	.0	.0	.9
PHARMACEUTICAL SCIENCES	72	73	71	83	84	1.4	-2.7	16.9	1.2
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	140	147	145	146	144	5.0	-1.4	.7	-1.4
PSYCHIATRY	101	104	104	105	104	3.0	.0	1.0	-1.0
PULMONARY DISEASE	84	86	86	85	85	2.4	.0	-1.2	.0
RADIOLOGY	121	123	121	123	125	1.7	-1.6	1.7	1.6
SPEECH PATH/AUDIOLOGY	73	78	74	83	91	6.8	-5.1	12.2	9.6
SURGERY	224	234	239	242	246	4.5	2.1	1.3	1.7
VETERINARY SCIENCES	60	58	58	62	63	-3.3	.0	6.9	1.6
CLINICAL MEDICINE, N.E.C.	264	285	301	329	357	8.0	5.6	9.3	8.5
HEALTH RELATED, N.E.C.	68	71	81	89	101	4.4	14.1	9.9	13.5
PSYCHOLOGY	278	284	292	307	314	2.2	2.8	5.1	2.3
SOCIAL SCIENCES	1,053	1,071	1,117	1,153	1,182	1.7	4.3	3.2	2.5
AGRICULTURAL ECONOMICS	45	47	47	47	47	4.4	.0	.0	.0
ANTHROPOLOGY	102	104	105	105	108	2.0	1.0	.0	2.9
ECONOMICS (EXCEPT AGRICULTURAL)	183	185	186	185	186	1.1	.5	-.5	.5
GEOGRAPHY	86	85	86	89	92	-1.2	1.2	3.5	3.4
HISTORY AND PHILOSOPHY OF SCIENCE	27	27	26	26	26	.0	-3.7	.0	.0
LINGUISTICS	74	77	75	73	74	4.1	-2.6	-2.7	1.4
POLITICAL SCIENCE	226	231	256	273	278	2.2	10.8	6.6	1.8
SOCIOLOGY	202	200	207	212	215	-1.0	3.5	2.4	1.4
SOCIOLOGY/ANTHROPOLOGY	28	29	29	31	31	3.6	.0	6.9	.0
SOCIAL SCIENCES, N.E.C.	80	86	100	112	125	7.5	16.3	12.0	11.6

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-2. SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT:

DEPARTMENTAL POPULATION BY LEVEL OF DEPARTMENT AT DOCTORATE-GRANTING INSTITUTIONS: 1974-78

FIELD OF SCIENCE	DOCTORATE					MASTER'S				
	1974	1975	1976	1977	1978	1974	1975	1976	1977	1978
TOTAL, ALL FIELDS	6,116	6,211	6,254	6,355	6,431	1,446	1,521	1,592	1,729	1,811
ENGINEERING	778	774	765	770	763	230	241	250	251	257
AERONAUTICAL	38	36	33	33	32	3	3	4	4	4
AGRICULTURAL	27	27	28	27	27	18	20	19	18	17
BIOMEDICAL	31	32	33	31	32	3	3	3	6	6
CHEMICAL	102	103	102	103	100	16	16	16	17	20
CIVIL	106	108	107	107	105	33	36	35	37	37
ELECTRICAL	121	120	116	118	118	26	27	30	28	28
ENGINEERING SCIENCE	49	45	45	44	43	10	11	12	12	13
INDUSTRIAL	65	66	64	64	62	36	37	40	40	39
MECHANICAL	104	104	103	108	107	32	31	31	29	29
METALLURGICAL/MATERIALS	62	60	60	60	61	6	9	7	8	6
MINING	12	10	9	9	10	7	8	9	10	10
NUCLEAR	28	28	26	26	28	4	5	6	5	5
PETROLEUM	9	12	12	10	10	4	3	3	4	4
ENGINEERING, N.E.C.	24	23	27	30	28	32	32	35	33	39
PHYSICAL SCIENCES	411	414	410	405	399	104	113	107	114	120
ASTRONOMY	29	30	27	27	27	3	4	3	3	4
CHEMISTRY	197	198	198	194	190	45	48	46	50	54
PHYSICS	181	182	181	179	177	51	55	55	57	58
PHYSICAL SCIENCES, N.E.C.	4	4	4	5	5	5	6	3	4	4
ENVIRONMENTAL SCIENCES	189	192	198	203	210	68	71	73	76	76
ATMOSPHERIC SCIENCES	25	24	26	27	28	2	2	3	3	2
GEOSCIENCES	120	122	124	124	127	54	55	54	53	52
OCEANOGRAPHY	33	33	33	34	35	3	4	5	6	5
ENVIRONMENTAL SCIENCES, N.E.C.	11	13	15	18	20	9	10	11	14	17
MATHEMATICAL SCIENCES	264	269	277	273	276	110	118	119	127	137
COMPUTER SCIENCE	57	60	61	60	62	26	30	34	36	41
MATHEMATICS AND APPLIED MATHEMATICS	165	167	171	169	169	80	83	81	84	88
STATISTICS	42	42	45	44	45	4	5	4	7	8
LIFE SCIENCES	3,593	3,675	3,691	3,772	3,836	484	510	547	633	672
AGRICULTURAL SCIENCES	235	230	227	229	231	82	80	83	82	74
BIOLOGICAL SCIENCES	1,331	1,345	1,330	1,361	1,403	144	151	157	170	172
ANATOMY	100	98	99	103	111	2	2	1	0	0
BIOCHEMISTRY	154	152	150	153	162	5	4	4	5	4
BIOLOGY	124	127	128	128	132	58	63	63	66	64
BIOMETRY/EPIDEMIOLOGY	28	27	26	35	35	6	5	6	4	4
BIOPHYSICS	34	37	34	33	35	0	1	1	1	1
BOTANY	82	79	78	77	76	4	5	6	7	6
CELL BIOLOGY	26	26	26	28	30	0	0	0	0	0
ECOLOGY	14	15	16	18	18	0	0	2	1	1
ENTOMOLOGY/PARASITOLOGY	40	42	42	41	42	4	5	5	5	6
GENETICS	50	50	50	53	54	1	1	1	1	1
MICROBIOLOGY	162	165	162	168	168	8	9	11	11	12
NUTRITION	53	53	51	48	50	19	17	18	24	26
PATHOLOGY	125	128	129	130	132	11	11	10	13	15
PHARMACOLOGY	120	126	126	133	140	6	6	7	6	6
PHYSIOLOGY	128	128	124	129	133	2	2	2	4	4
ZOOLOGY	58	57	55	51	49	6	5	5	4	4
BIOSCIENCES, N.E.C.	33	35	34	33	36	12	15	15	18	18
HEALTH SCIENCES	2,027	2,100	2,134	2,182	2,202	258	279	307	381	426
ANESTHESIOLOGY	89	92	91	92	90	4	4	4	7	8
CARDIOLOGY	97	93	94	95	95	3	3	3	2	2
CLINICAL PHARMACOLOGY	21	22	22	23	23	0	0	0	0	0
DENTISTRY	21	32	40	49	53	33	42	58	81	82
ENDOCRINOLOGY	92	95	97	97	97	2	2	2	1	1
GASTROENTEROLOGY	83	82	83	84	84	3	3	3	2	2
HEMATOLOGY	90	89	88	88	87	2	2	2	1	2
NEUROLOGY	97	104	106	107	108	2	2	2	2	3
NURSING	4	8	14	15	16	34	37	44	64	67
OBSTETRICS/GYNECOLOGY	102	104	103	102	101	3	4	4	4	5
OPHTHALMOLOGY	90	92	92	92	93	6	7	7	7	7
OTORHINOLARYNGOLOGY	90	89	90	89	87	3	4	4	4	6
PEDIATRICS	104	104	103	102	102	3	4	5	6	7
PHARMACEUTICAL SCIENCES	60	59	58	60	57	12	14	13	23	27
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	122	128	125	121	111	18	19	20	25	33
PSYCHIATRY	93	96	96	97	96	8	8	8	8	8
PULMONARY DISEASE	81	83	83	83	83	3	3	3	2	2
RADIOLOGY	112	112	110	114	115	9	11	11	9	10
SPEECH PATH/AUDIOLOGY	39	41	40	38	40	34	37	34	45	51
SURGERY	214	224	229	232	232	10	10	10	10	14
VETERINARY SCIENCES	41	42	43	45	46	19	16	15	17	17
CLINICAL MEDICINE, N.E.C.	249	270	285	313	338	15	15	16	16	19
HEALTH RELATED, N.E.C.	36	39	42	44	48	32	32	39	45	53
PSYCHOLOGY	220	219	229	234	238	58	65	63	73	76
SOCIAL SCIENCES	661	668	684	698	709	392	403	433	455	473
AGRICULTURAL ECONOMICS	33	34	33	33	34	12	13	14	14	13
ANTHROPOLOGY	72	73	75	76	77	30	31	30	29	31
ECONOMICS (EXCEPT AGRICULTURAL)	124	123	125	124	125	59	62	61	61	61
GEOGRAPHY	49	49	49	48	49	37	36	37	41	43
HISTORY AND PHILOSOPHY OF SCIENCE	26	26	25	25	25	1	1	1	1	1
LINGUISTICS	53	56	55	53	53	21	21	20	20	21
POLITICAL SCIENCE	126	129	139	148	148	100	102	117	125	130
SOCIOLOGY	123	119	121	125	127	79	81	86	87	88
SOCIOLOGY/ANTHROPOLOGY	16	17	17	16	15	12	12	12	15	16
SOCIAL SCIENCES, N.E.C.	39	42	45	50	56	41	44	55	62	69

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-3. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1978

INSTITUTION	TOTAL	FULL TIME	PART TIME
TOTAL, ALL INSTITUTIONS	311,982	217,588	94,394
1 UNIVERSITY OF SOUTHERN CALIFORNIA	7,006	3,181	3,825
2 UNIVERSITY OF CALIF AT BERKELEY	5,542	5,322	220
3 UNIVERSITY OF WISCONSIN - MADISON	5,130	4,514	616
4 UNIVERSITY OF MINNESOTA	4,863	4,099	764
5 OHIO STATE UNIVERSITY	4,622	3,739	883
6 UNIVERSITY OF MICHIGAN	4,608	4,078	530
7 UNIVERSITY OF WASHINGTON	4,370	3,378	992
8 RUTGERS THE STATE UNIVERSITY	4,249	1,721	2,528
9 NEW YORK UNIVERSITY	4,239	1,630	2,609
10 UNIVERSITY OF ILLINOIS - URBANA	4,130	3,893	237
TOTAL 1ST 10 INSTITUTIONS	48,759	35,555	13,204
11 UNIVERSITY OF CALIF AT LOS ANGELES	4,037	3,891	146
12 MASSACHUSETTS INSTITUTE OF TECHNOLOGY	3,664	3,664	0
13 UNIV OF TEXAS AT AUSTIN	3,596	3,008	588
14 PURDUE UNIVERSITY	3,582	2,982	600
15 MICHIGAN STATE UNIVERSITY	3,339	2,904	435
16 STANFORD UNIVERSITY	3,318	3,071	247
17 UNIVERSITY OF COLORADO	3,311	2,482	829
18 PENNSYLVANIA STATE UNIVERSITY	3,256	2,349	907
19 UNIVERSITY OF TENNESSEE AT KNOXVILLE	3,173	2,187	986
20 TEXAS A & M UNIVERSITY	3,063	2,442	621
TOTAL 1ST 20 INSTITUTIONS	83,098	64,535	18,563
21 NORTHEASTERN UNIVERSITY	3,050	672	2,378
22 UNIVERSITY OF PITTSBURGH	2,936	1,572	1,364
23 GEORGE WASHINGTON UNIVERSITY	2,923	702	2,221
24 UNIVERSITY OF ARIZONA	2,890	2,244	646
25 UNIVERSITY OF MARYLAND - COLLEGE PARK	2,886	1,353	1,533
26 COLUMBIA UNIV MAIN DIVISION	2,689	2,086	603
27 CORNELL UNIVERSITY	2,669	2,655	14
28 UNIVERSITY OF CALIF AT DAVIS	2,400	2,322	78
29 UNIVERSITY OF KANSAS	2,362	1,727	635
30 UNIV OF NORTH CAROLINA AT CHAPEL HILL	2,359	2,138	221
TOTAL 1ST 30 INSTITUTIONS	110,262	82,006	28,256
31 HARVARD UNIVERSITY	2,308	2,198	110
32 IOWA STATE UNIVERSITY OF SCI & TECH	2,299	1,731	568
33 UNIVERSITY OF CINCINNATI	2,263	1,369	894
34 SYRACUSE UNIVERSITY	2,257	1,217	1,040
35 UNIVERSITY OF FLORIDA	2,215	1,963	252
36 POLYTECHNIC INSTITUTE OF NEW YORK	2,198	354	1,844
37 VIRGINIA POLYTECHNIC INST AND STATE UNIV	2,173	1,606	567
38 AMERICAN UNIVERSITY	2,153	733	1,420
39 SUNY - STONY BROOK	2,128	1,475	653
40 NORTH CAROLINA STATE UNIV AT RALEIGH	2,101	1,685	416
TOTAL 1ST 40 INSTITUTIONS	132,357	96,337	36,020
41 WEST VIRGINIA UNIVERSITY	2,095	1,403	692
42 WAYNE STATE UNIVERSITY	2,086	1,313	773
43 UNIVERSITY OF PENNSYLVANIA	2,067	1,624	443
44 SAN DIEGO STATE UNIVERSITY	2,000	1,265	735
45 SUNY - BUFFALO	1,994	1,386	608
46 UNIVERSITY OF IOWA	1,969	1,468	501
47 UNIVERSITY OF MISSOURI - COLUMBIA	1,952	1,541	411
48 UNIVERSITY OF MASSACHUSETTS AT AMHERST	1,912	1,669	243
49 UNIVERSITY OF UTAH	1,886	1,468	418
50 CATHOLIC UNIVERSITY OF AMERICA	1,855	744	1,111
TOTAL 1ST 50 INSTITUTIONS	152,173	110,218	41,955
51 UNIVERSITY OF SOUTH CAROLINA	1,849	1,104	745
52 UNIVERSITY OF CONNECTICUT	1,846	1,448	398
53 INDIANA UNIVERSITY - BLOOMINGTON	1,824	1,486	338
54 TEXAS WOMAN'S UNIVERSITY	1,799	658	1,141
55 BOSTON UNIVERSITY	1,780	1,188	592
56 COLORADO STATE UNIVERSITY	1,765	1,554	211
57 UNIVERSITY OF WISCONSIN - MILWAUKEE	1,727	917	810
58 FLORIDA INSTITUTE OF TECHNOLOGY	1,688	504	1,184
59 OREGON STATE UNIVERSITY	1,687	1,499	188
60 UNIVERSITY OF HOUSTON	1,677	930	747
TOTAL 1ST 60 INSTITUTIONS	169,815	121,506	48,309
61 CASE WESTERN RESERVE UNIVERSITY	1,655	1,289	366
62 FLORIDA STATE UNIVERSITY	1,653	1,367	286
63 UNIV OF TEXAS AT ARLINGTON	1,648	777	871
64 GEORGIA INSTITUTE OF TECHNOLOGY	1,618	1,186	432
65 UNIVERSITY OF ILLINOIS - CHICAGO CIRCLE	1,617	1,146	471
66 LONG ISLAND UNIVERSITY	1,609	358	1,251
67 CUNY GRADUATE SCHOOL AND UNIV CENTER	1,607	1,536	71
68 ARIZONA STATE UNIVERSITY	1,583	968	615
69 UNIVERSITY OF GEORGIA	1,559	1,447	112
70 UNIVERSITY OF OKLAHOMA - NORMAN	1,553	927	626
TOTAL 1ST 70 INSTITUTIONS	185,917	132,507	53,410

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TABLE B-3. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1978 - CONTINUED

	INSTITUTION	TOTAL	FULL TIME	PART TIME
71	YALE UNIVERSITY	1,522	1,495	27
72	UNIVERSITY OF KENTUCKY	1,510	1,169	341
73	UNIVERSITY OF HAWAII AT MANOA	1,501	1,333	168
74	UNIVERSITY OF CHICAGO	1,493	1,415	78
75	ILLINOIS INSTITUTE OF TECHNOLOGY	1,467	385	1,082
76	WASHINGTON STATE UNIVERSITY	1,465	1,303	162
77	WASHINGTON UNIVERSITY	1,460	1,204	256
78	OKLAHOMA STATE UNIVERSITY	1,452	1,230	222
79	LOUISIANA STATE UNIVERSITY SYSTEM	1,413	1,124	289
80	COLUMBIA UNIV TEACHERS COLLEGE	1,401	651	750
	TOTAL 1ST 80 INSTITUTIONS	200,601	143,816	56,785
81	UNIVERSITY OF VIRGINIA	1,391	1,158	233
82	VIRGINIA COMMONWEALTH UNIVERSITY	1,357	901	456
83	RENSSELAER POLYTECHNIC INSTITUTE	1,354	1,045	309
84	JOHNS HOPKINS UNIVERSITY	1,333	1,219	114
85	NORTHWESTERN UNIVERSITY	1,321	1,144	177
86	TEMPLE UNIVERSITY	1,314	836	478
87	FAIRLEIGH DICKINSON UNIVERSITY	1,304	215	1,089
88	UNIVERSITY OF NEW MEXICO	1,279	826	453
89	KANSAS STATE UNIV OF AGR & APPLIED SCI	1,278	1,044	234
90	UNIVERSITY OF NEBRASKA - LINCOLN	1,275	938	337
	TOTAL 1ST 90 INSTITUTIONS	213,807	153,142	60,665
91	UNIV OF TEXAS AT DALLAS	1,272	435	837
92	NEW SCHOOL FOR SOCIAL RESEARCH	1,214	370	844
93	UNIVERSITY OF MARYLAND - BALT PROF SCH	1,201	745	456
94	UNIVERSITY OF RHODE ISLAND	1,158	802	356
95	UNIVERSITY OF CALIF AT SAN DIEGO	1,127	1,067	60
96	NORTHERN ILLINOIS UNIVERSITY	1,117	644	473
97	US INTERNATIONAL UNIVERSITY	1,064	653	411
98	STEVENS INSTITUTE OF TECHNOLOGY	1,064	259	805
99	TULANE UNIVERSITY OF LOUISIANA	1,040	722	318
100	UNIVERSITY OF CALIF AT SANTA BARBARA	1,039	1,002	37
	TOTAL 1ST 100 INSTITUTIONS	225,103	159,841	65,262
101	HOWARD UNIVERSITY	1,037	739	298
102	PRINCETON UNIVERSITY	1,006	1,006	0
103	AUBURN UNIVERSITY	1,000	785	215
104	SOUTHERN ILLINOIS UNIV AT CARBONDALE	989	653	336
105	UNIVERSITY OF PUERTO RICO - RIO PIEDRAS	979	617	362
106	UNIVERSITY OF DENVER	969	733	236
107	UNIVERSITY OF IDAHO	954	617	337
108	UNIVERSITY OF LOUISVILLE	952	569	383
109	THE UNIVERSITY OF ALABAMA IN BIRMINGHAM	948	668	280
110	BRIGHAM YOUNG UNIVERSITY	910	728	182
	TOTAL 1ST 110 INSTITUTIONS	234,847	166,936	67,891
111	CLEVELAND STATE UNIVERSITY	908	225	683
112	UNIVERSITY OF ROCHESTER	905	780	125
113	UNIVERSITY OF ARKANSAS	898	660	238
114	WESTERN MICHIGAN UNIVERSITY	896	578	318
115	UNIVERSITY OF AKRON	895	417	478
116	DUKE UNIVERSITY	891	822	69
117	UNIVERSITY OF CALIF AT RIVERSIDE	886	862	24
118	CARNEGIE-MELLON UNIVERSITY	886	667	219
119	UNIVERSITY OF DELAWARE	884	635	249
120	TEXAS TECH UNIVERSITY	883	727	156
	TOTAL 1ST 120 INSTITUTIONS	243,779	173,329	70,450
121	SUNY - BINGHAMTON	883	524	359
122	KENT STATE UNIVERSITY	866	599	267
123	LOYOLA UNIVERSITY OF CHICAGO	859	573	286
124	CLEMSON UNIVERSITY	858	601	257
125	CALIFORNIA INSTITUTE OF TECHNOLOGY	856	847	9
126	DREXEL UNIVERSITY	850	327	523
127	ST JOHN'S UNIVERSITY	837	255	582
128	GEORGIA STATE UNIVERSITY	826	458	368
129	NOVA UNIVERSITY	824	79	745
130	UNIVERSITY OF SOUTH FLORIDA	820	514	306
	TOTAL 1ST 130 INSTITUTIONS	252,258	178,106	74,152
131	THE UNIVERSITY OF ALABAMA	819	650	169
132	SOUTHERN METHODIST UNIVERSITY	802	327	475
133	US NAVAL POSTGRADUATE SCHOOL	798	798	0
134	BOWLING GREEN STATE UNIVERSITY	798	608	190
135	UNIVERSITY OF SANTA CLARA	794	36	758
136	UNIVERSITY OF OREGON	787	702	85
137	UTAH STATE UNIVERSITY	786	545	241
138	WORCESTER POLYTECHNIC INSTITUTE	780	207	573
139	UNIVERSITY OF MIAMI	774	571	203
140	WICHITA STATE UNIVERSITY	773	291	482
	TOTAL 1ST 140 INSTITUTIONS	260,169	182,841	77,328

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TABLE B-3. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1978 - CONTINUED

	INSTITUTION	TOTAL	FULL TIME	PART TIME
141	MEMPHIS STATE UNIVERSITY	769	406	363
142	NEW JERSEY INSTITUTE OF TECHNOLOGY	768	109	659
143	GEORGETOWN UNIVERSITY	746	581	165
144	UNIVERSITY OF CALIF AT SAN FRANCISCO	737	684	53
145	UNIVERSITY OF MISSISSIPPI	734	568	166
146	MISSISSIPPI STATE UNIVERSITY	733	605	128
147	UNIV OF ILLINOIS MED CENTER - CHICAGO	730	510	220
148	OHIO UNIVERSITY	718	588	130
149	UNIVERSITY OF LOWELL	713	189	524
150	ST LOUIS UNIVERSITY	712	451	261
	TOTAL 1ST 150 INSTITUTIONS	267,529	187,532	79,997
151	OLD DOMINION UNIVERSITY	694	319	375
152	FORDHAM UNIVERSITY	693	200	493
153	NORTH TEXAS STATE UNIVERSITY	682	424	258
154	UNIVERSITY OF WYOMING	678	600	78
155	UNIVERSITY OF MISSOURI - KANSAS CITY	675	199	476
156	PORTLAND STATE UNIVERSITY	673	407	266
157	UNIVERSITY OF MISSOURI - ROLLA	658	402	256
158	NEW MEXICO STATE UNIVERSITY	657	491	166
159	LEHIGH UNIVERSITY	652	415	237
160	EAST TEXAS STATE UNIVERSITY	638	291	347
	TOTAL 1ST 160 INSTITUTIONS	274,229	191,280	82,949
161	SUNY - ALBANY	634	466	168
162	VANDERBILT UNIVERSITY	623	604	19
163	VILLANOVA UNIVERSITY	622	120	502
164	UNIVERSITY OF NOTRE DAME	616	551	65
165	LOMA LINDA UNIVERSITY	614	395	219
166	UNIVERSITY OF CALIF AT IRVINE	612	578	34
167	ADELPHI UNIVERSITY	608	291	317
168	BROWN UNIVERSITY	589	548	41
169	RICE UNIVERSITY	562	544	18
170	MARQUETTE UNIVERSITY	560	321	239
	TOTAL 1ST 170 INSTITUTIONS	280,269	195,698	84,571
171	UNIVERSITY OF OKLAHOMA HEALTH SCI CENTER	551	391	160
172	UNIVERSITY OF DAYTON	550	143	407
173	BOSTON COLLEGE	546	441	105
174	NORTH DAKOTA STATE UNIVERSITY	545	386	159
175	DE PAUL UNIVERSITY	541	260	281
176	BALL STATE UNIVERSITY	533	232	301
177	UNIVERSITY OF TOLEDO	527	242	285
178	UNIV OF TEXAS AT EL PASO	513	286	227
179	TUFTS UNIVERSITY	504	386	118
180	EMORY UNIVERSITY	504	348	156
	TOTAL 1ST 180 INSTITUTIONS	285,583	198,813	86,770
181	UNIVERSITY OF SOUTHERN MISSISSIPPI	503	373	130
182	UNIVERSITY OF DETROIT	501	200	301
183	UNIVERSITY OF NEBRASKA - OMAHA	497	221	276
184	ATLANTA UNIVERSITY	490	431	59
185	UNIVERSITY OF MAINE AT ORONO	487	378	109
186	COLORADO SCHOOL OF MINES	473	345	128
187	UNIV OF NORTH CAROLINA AT GREENSBORO	473	196	277
188	CLAREMONT UNIV CENTER & GRADUATE SCHOOL	463	155	308
189	UNIVERSITY OF NEW ORLEANS	461	245	216
190	UNIVERSITY OF VERMONT & ST AGRIC COLLEGE	450	344	106
	TOTAL 1ST 190 INSTITUTIONS	290,381	201,701	88,680
191	UNIVERSITY OF NEW HAMPSHIRE	448	320	128
192	THE UNIVERSITY OF ALABAMA IN HUNTSVILLE	444	152	292
193	MIAMI UNIVERSITY	439	395	44
194	ILLINOIS STATE UNIVERSITY	436	297	139
195	UNIVERSITY OF NEVADA AT RENO	435	326	109
196	UNIVERSITY OF MONTANA	427	377	50
197	WRIGHT STATE UNIVERSITY	425	163	262
198	SAM HOUSTON STATE UNIVERSITY	414	309	105
199	STEPHEN F. AUSTIN STATE UNIVERSITY	408	342	66
200	CENTRAL MICHIGAN UNIVERSITY	408	258	150
	TOTAL 1ST 200 INSTITUTIONS	294,665	204,640	90,025
201	SOUTHERN ILLINOIS UNIV AT EDWARDSVILLE	390	166	224
202	HOFSTRA UNIVERSITY	388	314	74
203	DUQUESNE UNIVERSITY	382	201	181
204	YESHIVA UNIVERSITY	370	275	95
205	UNION OF EXPERIMENTNG COLLEGES & UNIVS	352	352	0
206	EAST CAROLINA UNIVERSITY	351	233	118
207	MONTANA STATE UNIVERSITY	345	310	35
208	INDIANA STATE UNIVERSITY	329	233	96
209	SUNY - COLL OF ENV SCIENCE AND FORESTRY	326	231	95
210	SETON HALL UNIVERSITY	325	110	215
	TOTAL 1ST 210 INSTITUTIONS	298,223	207,065	91,158

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TABLE B-3. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1978

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INSTITUTION	TOTAL	FULL TIME	PART TIME
211 NORTHERN ARIZONA UNIVERSITY	319	245	74
212 UNIVERSITY OF NORTH DAKOTA	313	247	66
213 UNIVERSITY OF SOUTHWESTERN LOUISIANA	309	223	86
214 HAHNEMANN MEDICAL COLLEGE AND HOSPITAL	292	287	5
215 UNIVERSITY OF MISSOURI - ST LOUIS	285	96	189
216 UNIVERSITY OF PUERTO RICO MED SCI CAMPUS	284	242	42
217 UNIVERSITY OF PUERTO RICO - MAYAGUEZ	279	169	110
218 BRANDEIS UNIVERSITY	276	273	3
219 AIR FORCE INSTITUTE OF TECHNOLOGY	274	274	0
220 MARSHALL UNIVERSITY	271	125	146
TOTAL 1ST 220 INSTITUTIONS	301,125	209,246	91,879
221 UNION COLLEGE	270	47	223
222 UNIVERSITY OF MARYLAND - BALTIMORE CNTY	265	92	173
223 UNIV OF TEXAS HLTH SCI CTR AT HOUSTON	252	207	45
224 UNIVERSITY OF ALASKA AT FAIRBANKS	251	223	28
225 CALIF SCH OF PROF PSYCH - BERKELEY	250	235	15
226 COLLEGE OF WILLIAM AND MARY	249	202	47
227 UNIVERSITY OF NEBRASKA MEDICAL CENTER	248	121	127
228 UNIVERSITY OF CALIF AT SANTA CRUZ	243	243	0
229 EAST TENNESSEE STATE UNIVERSITY	243	162	81
230 SOUTH DAKOTA STATE UNIVERSITY	242	195	47
TOTAL 1ST 230 INSTITUTIONS	303,638	210,973	92,665
231 CALIF SCH OF PROF PSYCH - SAN DIEGO	237	237	0
232 IDAHO STATE UNIVERSITY	237	178	59
233 UNIV OF TEXAS HLTH SCI CTR SAN ANTONIO	230	145	85
234 INDIANA-PURDUE UNIV AT INDIANAPOLIS	229	193	36
235 UNIV OF TEXAS HLTH SCI CTR AT DALLAS	228	202	26
236 OAKLAND UNIVERSITY	222	120	102
237 CLARKSON COLLEGE OF TECHNOLOGY	221	173	48
238 CLARK UNIVERSITY	220	176	44
239 DARTMOUTH COLLEGE	218	210	8
240 UNIVERSITY OF SOUTH DAKOTA	215	140	75
TOTAL 1ST 240 INSTITUTIONS	305,895	212,747	93,148
241 BAYLOR UNIVERSITY	210	187	23
242 MICHIGAN TECHNOLOGICAL UNIVERSITY	209	208	1
243 UNIVERSITY OF TULSA	201	115	86
244 SMITH COLLEGE	191	187	4
245 BRYN MAWR COLLEGE	188	74	114
246 CALIF SCH OF PROF PSYCH - LOS ANGELES	186	159	27
247 THE WRIGHT INSTITUTE	181	179	2
248 SOUTH DAKOTA SCHOOL OF MINES AND TECH	181	130	51
249 TENNESSEE TECHNOLOGICAL UNIVERSITY	159	88	71
250 UNIVERSITY OF ARKANSAS - MED SCI CAMPUS	158	84	74
TOTAL 1ST 250 INSTITUTIONS	307,759	214,158	93,601
251 WAKE FOREST UNIVERSITY	153	118	35
252 UNIVERSITY OF SOUTH ALABAMA	151	37	114
253 FULLER THEOLOGICAL SEMINARY	147	147	0
254 UNIV OF TEXAS MED BRANCH AT GALVESTON	147	134	13
255 CALIF SCH OF PROF PSYCH - FRESNO	145	137	8
256 RUSH UNIVERSITY	140	84	56
257 UNIVERSITY OF TENNESSEE CTR HLTH SCIENCE	136	107	29
258 NEW YORK MEDICAL COLLEGE	136	61	75
259 LOUISIANA TECH UNIVERSITY	134	97	37
260 THE MEDICAL COLLEGE OF PENNSYLVANIA	134	76	58
TOTAL 1ST 260 INSTITUTIONS	309,182	215,156	94,026
261 TEXAS CHRISTIAN UNIVERSITY	132	127	5
262 UNIVERSITY OF NORTHERN COLORADO	130	115	15
263 NORTHEAST LOUISIANA UNIVERSITY	126	91	35
264 NEW MEXICO INSTITUTE OF MINING AND TECH	123	122	1
265 MEDICAL UNIVERSITY OF SOUTH CAROLINA	123	113	10
266 GEORGE PEABODY COLLEGE FOR TEACHERS	119	81	38
267 BAYLOR COLLEGE OF MEDICINE	115	114	1
268 ROCKEFELLER UNIVERSITY	107	98	9
269 WESLEYAN UNIVERSITY	106	96	10
270 INSTITUTE OF PAPER CHEMISTRY	94	94	0
TOTAL 1ST 270 INSTITUTIONS	310,357	216,207	94,150
271 LAMAR UNIVERSITY	92	45	47
272 MEDICAL COLLEGE OF GEORGIA	90	81	9
273 MASSACHUSETTS COLLEGE OF PHARMACY	90	71	19
274 UNIVERSITY OF THE PACIFIC	89	76	13
275 SUNY - DOWNSTATE MEDICAL CENTER	85	83	2
276 THOMAS JEFFERSON UNIVERSITY	84	71	13
277 BIOLA COLLEGE	82	61	21
278 COLLEGE OF MED AND DENT OF NEW JERSEY	79	70	9
279 MEDICAL COLLEGE OF WISCONSIN	79	69	10
280 UNIVERSITY OF HEALTH SCIENCES	76	59	17
TOTAL 1ST 280 INSTITUTIONS	311,203	216,893	94,310

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TABLE B-3. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1978 - CONTINUED

	INSTITUTION	TOTAL	FULL TIME	PART TIME
281	CUNY MOUNT SINAI SCHOOL OF MEDICINE	74	74	0
282	UNIVERSITY OF OREGON HEALTH SCI CENTER	73	61	12
283	WOODS HOLE OCEANOGRAPHIC INSTITUTE	66	66	0
284	SUNY - UPSTATE MEDICAL CENTER	61	39	22
285	ALFRED UNIVERSITY	54	48	6
286	CREIGHTON UNIVERSITY	53	46	7
287	MEHARRY MEDICAL COLLEGE	50	50	0
288	ALBANY MEDICAL COLLEGE	49	48	1
289	RAND GRADUATE INSTITUTE POLICY STUDIES	42	42	0
290	OREGON GRADUATE CENTER	42	37	5
	TOTAL 1ST 290 INSTITUTIONS	311,767	217,404	94,363
291	PHILADELPHIA COLL OF PHARMACY AND SCI	40	30	10
292	UNIVERSITY OF DALLAS	35	25	10
293	PHILA COLLEGE OF OSTEOPATHIC MEDICINE	32	32	0
294	ST BONAVENTURE UNIVERSITY	31	26	5
295	MEDICAL COLLEGE OF OHIO AT TOLEDO	25	23	2
296	INSTITUTE OF TEXTILE TECHNOLOGY	16	16	0
297	UNIFORMED SERV UNIV OF THE HLTH SCIENCES	11	11	0
298	UNIVERSITY OF MASSACHUSETTS AT WORCESTER	10	10	0
299	CATHOLIC UNIVERSITY OF PUERTO RICO	8	8	0
300	PROVIDENCE COLLEGE	6	3	3
	TOTAL 1ST 300 INSTITUTIONS	311,981	217,588	94,393
301	SUNY STATE COLLEGE OF OPTOMETRY	1	0	1
302	DREW POST-GRADUATE MEDICAL SCHOOL	0	0	0
303	CHICAGO COLL OF OSTEO MED & SURGERY	0	0	0
304	COLLEGE OF OSTEOPATHIC MED & SURGERY	0	0	0
305	KANSAS CITY COLL OF OSTEOPATHIC MEDICINE	0	0	0
306	KIRKSVILLE COLLEGE OF OSTEOPATHIC MED	0	0	0
307	UNIV OF TEXAS CANCER CENTER	0	0	0
308	BAYLOR COLLEGE OF DENTISTRY	0	0	0
309	MERCER UNIVERSITY	0	0	0
310	DESERT RESEARCH INSTITUTE	0	0	0
	TOTAL 1ST 310 INSTITUTIONS	311,982	217,588	94,394
311	TEXAS COLLEGE OF OSTEOPATHIC MEDICINE	0	0	0
312	EASTERN VIRGINIA MEDICAL SCHOOL	0	0	0
313	WEST VIRGINIA SCH OF OSTEOPATHIC MED	0	0	0
314	OKLAHOMA COLL OF OSTEO MED & SURGERY	0	0	0
315	NEW JERSEY SCH OF OSTEOPATHIC MEDICINE	0	0	0
316	NEW YORK COLLEGE OF OSTEOPATHIC MEDICINE	0	0	0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
UNITED STATES											
TOTAL, ALL AREAS	10,983	10,824	9,024	20,542	80,123	19,259	66,833	217,588	74,696	94,394	32,023
ENGINEERING	944	916	2,342	7,223	10,496	5,322	10,684	37,129	14,601	29,074	10,741
PHYSICAL SCIENCES	1,278	130	2,803	2,801	11,814	1,366	1,479	21,651	5,776	3,386	1,003
ENVIRONMENTAL SCIENCES	311	202	1,250	1,628	3,445	848	2,320	9,724	3,110	2,145	476
MATHEMATICAL SCIENCES	114	41	531	621	7,987	819	3,593	13,706	4,828	7,927	3,136
LIFE SCIENCES	7,586	6,201	1,368	4,504	21,504	5,717	18,217	65,097	22,619	20,174	6,982
PSYCHOLOGY	1,081	1,841	222	799	7,425	1,574	7,735	20,677	5,529	7,243	1,543
SOCIAL SCIENCES	349	1,893	508	2,966	17,452	3,633	22,803	49,604	18,233	24,445	8,142
ALABAMA											
TOTAL, ALL AREAS	132	96	16	191	856	175	826	2,292	998	1,070	455
ENGINEERING	0	5	6	37	133	41	117	339	171	273	135
PHYSICAL SCIENCES	4	0	5	17	119	3	19	167	51	37	10
ENVIRONMENTAL SCIENCES	0	0	0	0	19	3	9	31	3	11	0
MATHEMATICAL SCIENCES	0	0	0	1	74	10	49	134	48	109	38
LIFE SCIENCES	122	62	5	59	319	86	401	1,054	519	346	177
PSYCHOLOGY	6	16	0	7	63	24	50	166	58	110	23
SOCIAL SCIENCES	0	13	0	70	129	8	181	401	148	184	72
AUBURN UNIVERSITY											
TOTAL, ALL AREAS	2	9	4	108	387	51	224	785	259	215	68
ENGINEERING	0	0	2	24	81	4	36	147	72	42	13
PHYSICAL SCIENCES	1	0	2	7	43	1	5	59	14	0	0
ENVIRONMENTAL SCIENCES	0	0	0	0	1	0	0	1	1	0	0
MATHEMATICAL SCIENCES	0	0	0	0	34	0	4	38	15	2	1
LIFE SCIENCES	1	9	0	46	165	28	94	343	110	70	14
PSYCHOLOGY	0	0	0	1	35	13	15	64	16	27	10
SOCIAL SCIENCES	0	0	0	30	28	5	70	133	31	74	30
THE UNIVERSITY OF ALABAMA											
TOTAL, ALL AREAS	7	46	6	66	300	19	206	650	250	169	33
ENGINEERING	0	5	3	9	44	6	16	83	34	17	6
PHYSICAL SCIENCES	0	0	3	6	40	2	5	56	23	4	0
ENVIRONMENTAL SCIENCES	0	0	0	0	18	3	9	30	2	11	0
MATHEMATICAL SCIENCES	0	0	0	0	27	5	19	51	9	8	1
LIFE SCIENCES	1	13	0	5	47	0	36	102	46	10	2
PSYCHOLOGY	6	15	0	6	23	0	16	66	22	44	0
SOCIAL SCIENCES	0	13	0	40	101	3	105	262	114	75	24
THE UNIVERSITY OF ALABAMA IN BIRMINGHAM											
TOTAL, ALL AREAS	123	38	5	8	136	69	289	668	369	280	154
ENGINEERING	0	0	0	0	3	0	11	14	4	21	3
PHYSICAL SCIENCES	3	0	0	0	26	0	5	34	8	5	0
* MATHEMATICAL SCIENCES	0	0	0	0	10	0	16	26	13	39	13
LIFE SCIENCES	120	38	5	8	92	58	243	564	329	210	136
PSYCHOLOGY	0	0	0	0	5	11	14	30	15	5	2
THE UNIVERSITY OF ALABAMA IN HUNTSVILLE											
TOTAL, ALL AREAS	0	0	1	9	21	36	85	152	92	292	156
ENGINEERING	0	0	1	4	5	31	54	95	61	193	113
PHYSICAL SCIENCES	0	0	0	4	10	0	4	18	6	28	10
MATHEMATICAL SCIENCES	0	0	0	1	3	5	9	18	11	55	22
LIFE SCIENCES	0	0	0	0	3	0	18	21	14	16	11
UNIVERSITY OF SOUTH ALABAMA											
TOTAL, ALL AREAS	0	3	0	0	12	0	22	37	28	114	44
MATHEMATICAL SCIENCES	0	0	0	0	0	0	1	1	0	5	1
LIFE SCIENCES	0	2	0	0	12	0	10	24	20	40	14
PSYCHOLOGY	0	1	0	0	0	0	5	6	5	34	11
SOCIAL SCIENCES	0	0	0	0	0	0	6	6	3	35	18
ALASKA											
TOTAL, ALL AREAS	2	3	25	39	41	18	95	223	49	28	10
ENGINEERING	0	2	0	5	2	0	5	14	4	18	8
PHYSICAL SCIENCES	0	0	0	0	3	0	3	6	2	2	1
ENVIRONMENTAL SCIENCES	0	1	19	19	16	7	22	84	18	5	0
MATHEMATICAL SCIENCES	0	0	0	0	2	0	0	2	1	1	0
LIFE SCIENCES	2	0	6	15	14	10	51	98	19	2	1
PSYCHOLOGY	0	0	0	0	0	0	0	0	0	0	0
SOCIAL SCIENCES	0	0	0	0	4	1	14	19	5	0	0
UNIVERSITY OF ALASKA AT FAIRBANKS											
TOTAL, ALL AREAS	2	3	25	39	41	18	95	223	49	28	10
ENGINEERING	0	2	0	5	2	0	5	14	4	18	8
PHYSICAL SCIENCES	0	0	0	0	3	0	3	6	2	2	1
ENVIRONMENTAL SCIENCES	0	1	19	19	16	7	22	84	18	5	0
MATHEMATICAL SCIENCES	0	0	0	0	2	0	0	2	1	1	0
LIFE SCIENCES	2	0	6	15	14	10	51	98	19	2	1
SOCIAL SCIENCES	0	0	0	0	4	1	14	19	5	0	0
ARIZONA											
TOTAL, ALL AREAS	72	148	131	441	1,197	316	1,152	3,457	1,198	1,335	525
ENGINEERING	0	24	11	73	193	65	153	519	188	507	311
PHYSICAL SCIENCES	18	3	39	101	191	43	57	452	115	30	2
ENVIRONMENTAL SCIENCES	0	6	34	52	79	33	88	292	88	55	10
MATHEMATICAL SCIENCES	0	0	4	8	71	13	34	130	40	40	10
LIFE SCIENCES	53	85	33	102	314	118	351	1,056	419	305	76
PSYCHOLOGY	0	13	0	15	76	11	67	182	48	17	1
SOCIAL SCIENCES	1	17	10	90	273	33	402	826	300	381	115
ARIZONA STATE UNIVERSITY											
TOTAL, ALL AREAS	41	47	33	69	403	44	368	968	340	615	347

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
ARIZONA, CONTINUED											
ARIZONA STATE UNIVERSITY											
ENGINEERING	0	2	1	25	82	19	57	186	96	397	291
PHYSICAL SCIENCES	2	3	14	2	69	9	3	102	29	9	2
ENVIRONMENTAL SCIENCES	0	0	6	4	12	0	11	33	16	11	0
MATHEMATICAL SCIENCES	0	0	0	0	35	0	22	57	20	12	5
LIFE SCIENCES	2	38	10	22	73	3	83	231	77	94	22
PSYCHOLOGY	0	0	0	2	26	0	59	87	20	0	0
SOCIAL SCIENCES	0	4	2	14	106	13	133	272	82	92	27
NORTHERN ARIZONA UNIVERSITY											
TOTAL, ALL AREAS	1	0	2	78	68	6	90	245	229	74	72
PHYSICAL SCIENCES	0	0	0	0	6	0	0	6	6	0	0
ENVIRONMENTAL SCIENCES	0	0	0	0	15	0	4	19	19	7	7
MATHEMATICAL SCIENCES	0	0	0	0	4	0	0	4	4	0	0
LIFE SCIENCES	1	0	2	8	27	6	38	82	73	1	0
PSYCHOLOGY	0	0	0	0	10	0	3	13	7	2	1
SOCIAL SCIENCES	0	0	0	70	6	0	45	121	120	64	64
UNIVERSITY OF ARIZONA											
TOTAL, ALL AREAS	67	101	96	294	726	266	694	2,244	629	646	106
ENGINEERING	0	22	10	48	111	48	96	333	92	110	20
PHYSICAL SCIENCES	16	0	25	99	116	34	94	344	80	21	0
ENVIRONMENTAL SCIENCES	0	6	28	48	52	33	73	240	53	37	3
MATHEMATICAL SCIENCES	0	0	4	8	32	13	12	69	16	28	5
LIFE SCIENCES	50	47	21	72	214	109	230	743	269	210	54
PSYCHOLOGY	0	13	0	13	40	11	5	82	21	15	0
SOCIAL SCIENCES	1	13	8	6	161	20	224	433	98	225	24
ARKANSAS											
TOTAL, ALL AREAS	15	17	8	96	369	66	173	744	305	312	104
ENGINEERING	0	0	0	15	58	4	39	116	49	93	26
PHYSICAL SCIENCES	7	0	7	4	46	5	3	72	26	3	0
ENVIRONMENTAL SCIENCES	0	0	0	6	21	4	12	43	15	2	1
MATHEMATICAL SCIENCES	0	0	0	0	37	0	2	39	24	27	12
LIFE SCIENCES	2	17	1	43	134	50	80	327	127	137	62
PSYCHOLOGY	6	0	0	4	34	3	3	50	12	19	0
SOCIAL SCIENCES	0	0	0	24	39	0	34	97	52	31	3
UNIVERSITY OF ARKANSAS											
TOTAL, ALL AREAS	13	1	8	80	344	64	150	660	269	238	66
ENGINEERING	0	0	0	15	58	4	39	116	49	93	26
PHYSICAL SCIENCES	7	0	7	4	46	5	3	72	26	3	0
ENVIRONMENTAL SCIENCES	0	0	0	6	21	4	12	43	15	2	1
MATHEMATICAL SCIENCES	0	0	0	0	37	0	2	39	24	27	12
LIFE SCIENCES	0	1	1	27	109	48	57	243	91	63	24
PSYCHOLOGY	6	0	0	4	34	3	3	50	12	19	0
SOCIAL SCIENCES	0	0	0	24	39	0	34	97	52	31	3
UNIVERSITY OF ARKANSAS - MED SCI CAMPUS											
TOTAL, ALL AREAS	2	16	0	16	25	2	23	84	36	74	38
LIFE SCIENCES	2	16	0	16	25	2	23	84	36	74	38
CALIFORNIA											
TOTAL, ALL AREAS	1,643	1,418	1,514	3,753	6,990	2,592	9,735	27,645	8,763	7,250	2,408
ENGINEERING	91	38	395	1,778	914	899	1,840	5,955	2,203	4,411	1,645
PHYSICAL SCIENCES	235	38	475	609	1,164	173	191	2,885	703	71	20
ENVIRONMENTAL SCIENCES	1	18	214	252	265	78	237	1,065	277	58	6
MATHEMATICAL SCIENCES	22	3	99	150	712	213	504	1,703	567	368	144
LIFE SCIENCES	1,035	743	204	239	1,675	555	2,586	7,037	2,320	720	222
PSYCHOLOGY	203	362	38	78	605	94	1,334	2,714	551	624	136
SOCIAL SCIENCES	56	216	89	647	1,655	580	3,043	6,286	2,142	998	235
BIOLA COLLEGE											
TOTAL, ALL AREAS	0	0	0	0	2	0	59	61	26	21	6
PSYCHOLOGY	0	0	0	0	2	0	59	61	26	21	6
CALIF SCH OF PROF PSYCH - BERKELEY											
TOTAL, ALL AREAS	5	0	0	0	46	8	176	235	38	15	0
PSYCHOLOGY	5	0	0	0	46	8	176	235	38	15	0
CALIF SCH OF PROF PSYCH - FRESNO											
TOTAL, ALL AREAS	0	1	0	6	20	3	107	137	59	8	0
PSYCHOLOGY	0	1	0	6	20	3	107	137	59	8	0
CALIF SCH OF PROF PSYCH - LOS ANGELES											
TOTAL, ALL AREAS	0	0	0	12	47	2	98	159	34	27	4
PSYCHOLOGY	0	0	0	12	47	2	98	159	34	27	4
CALIF SCH OF PROF PSYCH - SAN DIEGO											
TOTAL, ALL AREAS	0	1	0	19	28	4	185	237	33	0	0
PSYCHOLOGY	0	1	0	19	28	4	185	237	33	0	0
CALIFORNIA INSTITUTE OF TECHNOLOGY											
TOTAL, ALL AREAS	102	0	174	164	326	76	5	847	236	9	6
ENGINEERING	5	0	44	65	145	52	5	316	118	9	6
PHYSICAL SCIENCES	54	0	84	60	86	13	0	297	62	0	0
ENVIRONMENTAL SCIENCES	0	0	35	32	24	6	0	97	30	0	0
MATHEMATICAL SCIENCES	0	0	1	2	34	3	0	40	6	0	0
LIFE SCIENCES	43	0	6	0	24	1	0	74	9	0	0
SOCIAL SCIENCES	0	0	4	5	13	1	0	23	11	0	0

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTI-TU-TIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUP-PORTED STU-DENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
CALIFORNIA, CONTINUED											
CLAREMONT UNIV CENTER & GRADUATE SCHOOL											
TOTAL, ALL AREAS	0	0	0	0	84	57	14	155	72	308	28
MATHEMATICAL SCIENCES	0	0	0	0	18	4	0	22	13	14	4
LIFE SCIENCES	0	0	0	0	5	0	0	5	0	3	0
PSYCHOLOGY	0	0	0	0	24	5	0	29	11	89	6
SOCIAL SCIENCES	0	0	0	0	37	48	14	99	48	202	18
DREW POST-GRADUATE MEDICAL SCHOOL											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
FULLER THEOLOGICAL SEMINARY											
TOTAL, ALL AREAS	0	0	0	0	67	0	80	147	26	0	0
PSYCHOLOGY	0	0	0	0	67	0	80	147	26	0	0
LOMA LINDA UNIVERSITY											
TOTAL, ALL AREAS	50	43	0	5	32	2	263	395	183	219	49
LIFE SCIENCES	50	43	0	5	29	2	249	378	178	216	49
SOCIAL SCIENCES	0	0	0	0	3	0	14	17	5	3	0
RAND GRADUATE INSTITUTE POLICY STUDIES											
TOTAL, ALL AREAS	0	5	0	19	2	9	7	42	8	0	0
SOCIAL SCIENCES	0	5	0	19	2	9	7	42	8	0	0
SAN DIEGO STATE UNIVERSITY											
TOTAL, ALL AREAS	2	64	2	18	189	107	883	1,265	414	735	268
ENGINEERING	0	0	0	0	2	1	16	19	10	180	64
PHYSICAL SCIENCES	2	0	2	0	54	3	17	78	26	22	4
ENVIRONMENTAL SCIENCES	0	0	0	4	5	4	40	53	19	15	3
MATHEMATICAL SCIENCES	0	0	0	0	16	0	18	34	19	89	40
LIFE SCIENCES	0	16	0	11	62	81	410	580	136	252	87
PSYCHOLOGY	0	0	0	0	38	0	38	76	21	39	29
* SOCIAL SCIENCES	0	48	0	3	12	18	344	425	183	138	41
STANFORD UNIVERSITY											
TOTAL, ALL AREAS	199	35	405	530	574	651	677	3,071	1,076	247	46
ENGINEERING	35	6	159	297	167	392	312	1,368	533	205	34
PHYSICAL SCIENCES	37	0	76	111	59	32	2	317	80	1	1
ENVIRONMENTAL SCIENCES	0	10	32	22	32	22	66	184	29	7	0
MATHEMATICAL SCIENCES	9	0	70	62	70	130	70	411	153	25	10
LIFE SCIENCES	86	4	29	4	23	15	104	265	101	5	1
PSYCHOLOGY	26	0	19	1	18	6	9	79	22	0	0
SOCIAL SCIENCES	6	15	20	33	205	54	114	447	158	0	0
THE WRIGHT INSTITUTE											
TOTAL, ALL AREAS	0	13	0	3	3	0	160	179	42	2	0
PSYCHOLOGY	0	13	0	3	3	0	160	179	42	2	0
UNIVERSITY OF CALIF AT BERKELEY											
TOTAL, ALL AREAS	276	317	286	847	1,399	296	1,901	5,322	1,750	220	40
ENGINEERING	11	27	88	491	293	152	745	1,807	687	61	12
PHYSICAL SCIENCES	24	4	79	262	194	24	40	627	134	12	3
ENVIRONMENTAL SCIENCES	0	2	22	9	35	2	30	100	33	6	1
MATHEMATICAL SCIENCES	1	2	17	6	158	17	121	322	84	22	0
LIFE SCIENCES	213	175	49	63	316	40	398	1,254	449	59	15
PSYCHOLOGY	12	23	3	1	48	5	15	107	20	6	1
SOCIAL SCIENCES	15	84	28	15	355	56	552	1,105	343	54	8
UNIVERSITY OF CALIF AT DAVIS											
TOTAL, ALL AREAS	160	22	80	166	837	305	752	2,322	630	78	11
ENGINEERING	3	1	11	82	80	60	99	336	117	43	4
PHYSICAL SCIENCES	13	0	9	7	107	3	6	145	35	0	0
ENVIRONMENTAL SCIENCES	0	0	6	1	27	1	27	62	16	0	0
MATHEMATICAL SCIENCES	0	0	0	1	31	1	19	52	14	1	0
LIFE SCIENCES	143	21	52	60	453	220	456	1,405	354	30	7
PSYCHOLOGY	1	0	0	0	26	4	27	58	10	0	0
SOCIAL SCIENCES	0	0	2	15	113	16	118	264	84	4	0
UNIVERSITY OF CALIF AT IRVINE											
TOTAL, ALL AREAS	75	9	23	34	242	30	165	578	171	34	7
ENGINEERING	7	0	0	5	21	6	40	79	57	0	0
PHYSICAL SCIENCES	9	0	12	14	80	3	2	120	30	5	0
MATHEMATICAL SCIENCES	2	0	4	0	36	4	58	104	23	29	7
LIFE SCIENCES	57	0	5	7	44	11	16	140	34	0	0
PSYCHOLOGY	0	9	1	0	12	2	0	24	7	0	0
SOCIAL SCIENCES	0	0	1	8	49	4	49	111	20	0	0
UNIVERSITY OF CALIF AT LOS ANGELES											
TOTAL, ALL AREAS	178	328	205	277	1,008	338	1,557	3,891	1,228	146	38
ENGINEERING	2	3	57	83	72	113	266	596	140	50	13
PHYSICAL SCIENCES	0	321	84	34	186	33	42	411	106	7	1
ENVIRONMENTAL SCIENCES	0	0	33	35	30	17	13	128	32	0	0
MATHEMATICAL SCIENCES	0	0	2	26	138	24	142	332	108	48	13
LIFE SCIENCES	167	220	15	38	202	32	546	1,220	524	15	6
PSYCHOLOGY	0	64	6	13	66	26	28	203	29	0	0
SOCIAL SCIENCES	9	9	8	48	314	93	520	1,001	285	26	5
UNIVERSITY OF CALIF AT RIVERSIDE											
TOTAL, ALL AREAS	30	21	28	34	342	138	269	862	301	24	1
PHYSICAL SCIENCES	10	0	13	11	49	7	6	96	29	0	0
ENVIRONMENTAL SCIENCES	0	0	1	2	13	2	6	24	6	1	1

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE / INSTITUTION NAME / AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
CALIFORNIA, CONTINUED											
UNIVERSITY OF CALIF AT RIVERSIDE											
MATHEMATICAL SCIENCES	0	1	0	0	36	8	21	66	20	3	0
LIFE SCIENCES	20	0	11	18	145	68	46	308	100	8	0
PSYCHOLOGY	0	15	0	0	24	11	9	49	8	0	0
SOCIAL SCIENCES	0	5	3	3	75	52	181	319	138	12	0
UNIVERSITY OF CALIF AT SAN DIEGO											
TOTAL, ALL AREAS	201	48	143	127	317	111	120	1,067	244	60	34
ENGINEERING	15	1	5	11	8	5	22	67	17	7	2
PHYSICAL SCIENCES	56	2	65	57	95	41	34	350	78	21	10
ENVIRONMENTAL SCIENCES	1	6	44	34	30	22	18	175	27	4	1
MATHEMATICAL SCIENCES	1	0	1	1	44	4	6	57	18	6	4
LIFE SCIENCES	122	15	14	1	17	17	5	191	46	20	17
PSYCHOLOGY	0	16	5	2	17	7	0	47	13	0	0
SOCIAL SCIENCES	6	8	9	1	106	15	35	180	45	2	0
UNIVERSITY OF CALIF AT SAN FRANCISCO											
TOTAL, ALL AREAS	80	246	10	12	110	24	202	684	247	53	27
MATHEMATICAL SCIENCES	9	0	0	0	1	0	3	13	4	2	0
* LIFE SCIENCES	68	230	9	12	103	21	150	593	231	49	27
PSYCHOLOGY	0	1	0	0	0	3	21	25	4	1	0
SOCIAL SCIENCES	3	15	1	0	6	0	28	53	8	1	0
UNIVERSITY OF CALIF AT SANTA BARBARA											
TOTAL, ALL AREAS	21	18	55	55	452	35	366	1,002	313	37	9
ENGINEERING	0	0	11	12	66	4	127	220	56	23	7
PHYSICAL SCIENCES	12	0	16	10	101	3	25	167	46	0	0
ENVIRONMENTAL SCIENCES	0	0	9	5	27	1	8	50	16	0	0
MATHEMATICAL SCIENCES	0	0	1	0	40	0	14	55	20	0	0
LIFE SCIENCES	8	10	7	10	75	15	55	180	42	3	1
PSYCHOLOGY	1	8	4	2	34	6	2	57	13	0	0
SOCIAL SCIENCES	0	0	7	16	109	6	135	273	120	11	1
UNIVERSITY OF CALIF AT SANTA CRUZ											
TOTAL, ALL AREAS	26	0	35	6	132	9	35	243	57	0	0
PHYSICAL SCIENCES	12	0	21	4	44	4	7	92	23	0	0
ENVIRONMENTAL SCIENCES	0	0	11	0	18	0	9	38	12	0	0
MATHEMATICAL SCIENCES	0	0	0	0	23	0	5	28	7	0	0
LIFE SCIENCES	13	0	3	2	29	0	14	61	15	0	0
PSYCHOLOGY	1	0	0	0	18	5	0	24	0	0	0
UNIVERSITY OF SANTA CLARA											
TOTAL, ALL AREAS	0	0	0	8	7	0	21	36	12	758	277
ENGINEERING	0	0	0	8	7	0	21	36	12	742	274
MATHEMATICAL SCIENCES	0	0	0	0	0	0	0	0	0	16	3
UNIVERSITY OF SOUTHERN CALIFORNIA											
TOTAL, ALL AREAS	88	43	68	613	642	385	1,342	3,181	995	3,825	1,466
ENGINEERING	13	0	20	206	53	114	187	593	201	3,087	1,229
PHYSICAL SCIENCES	6	0	14	12	93	7	10	142	37	1	1
ENVIRONMENTAL SCIENCES	0	0	21	18	24	1	20	84	15	25	0
MATHEMATICAL SCIENCES	0	0	3	0	67	18	27	115	43	113	63
* LIFE SCIENCES	45	5	4	8	106	32	137	337	77	51	11
PSYCHOLOGY	7	11	0	19	44	5	29	115	18	3	0
SOCIAL SCIENCES	17	27	6	350	255	208	932	1,795	604	545	162
UNIVERSITY OF THE PACIFIC											
TOTAL, ALL AREAS	0	4	0	0	72	0	0	76	37	13	1
PHYSICAL SCIENCES	0	0	0	0	16	0	0	16	5	2	0
LIFE SCIENCES	0	4	0	0	42	0	0	46	24	9	1
PSYCHOLOGY	0	0	0	0	13	0	0	13	7	2	0
SOCIAL SCIENCES	0	0	0	0	1	0	0	1	1	0	0
US INTERNATIONAL UNIVERSITY											
TOTAL, ALL AREAS	150	200	0	0	10	2	291	653	110	411	90
PSYCHOLOGY	150	200	0	0	10	2	291	653	110	411	90
US NAVAL POSTGRADUATE SCHOOL											
TOTAL, ALL AREAS	0	0	0	798	0	0	0	798	421	0	0
ENGINEERING	0	0	0	518	0	0	0	518	255	0	0
PHYSICAL SCIENCES	0	0	0	27	0	0	0	27	12	0	0
ENVIRONMENTAL SCIENCES	0	0	0	70	0	0	0	70	42	0	0
MATHEMATICAL SCIENCES	0	0	0	52	0	0	0	52	35	0	0
SOCIAL SCIENCES	0	0	0	131	0	0	0	131	77	0	0
COLORADO											
TOTAL, ALL AREAS	197	394	198	771	1,411	530	1,728	5,229	1,645	1,419	359
ENGINEERING	11	13	29	173	160	147	146	669	195	236	58
PHYSICAL SCIENCES	30	4	47	118	189	30	42	460	130	45	8
ENVIRONMENTAL SCIENCES	0	13	51	80	86	49	76	355	84	37	4
MATHEMATICAL SCIENCES	1	0	6	16	193	39	123	378	113	88	34
LIFE SCIENCES	151	275	52	201	283	146	404	1,512	536	214	49
PSYCHOLOGY	11	58	2	34	146	21	132	404	82	56	6
SOCIAL SCIENCES	3	31	11	149	354	98	805	1,451	505	743	200
COLORADO SCHOOL OF MINES											
TOTAL, ALL AREAS	0	32	2	30	117	102	62	345	78	128	17
ENGINEERING	0	13	1	19	29	30	14	106	18	35	5
PHYSICAL SCIENCES	0	4	1	7	21	3	5	41	14	18	2
ENVIRONMENTAL SCIENCES	0	13	0	4	43	45	27	132	31	33	3

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1970

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
COLORADO, CONTINUED											
COLORADO SCHOOL OF MINES											
MATHEMATICAL SCIENCES	0	0	0	0	5	0	0	5	1	5	0
SOCIAL SCIENCES	0	2	0	0	19	24	16	61	14	37	7
COLORADO STATE UNIVERSITY											
TOTAL, ALL AREAS	71	26	107	377	452	234	287	1,554	478	211	44
ENGINEERING	1	0	23	104	74	55	49	306	105	42	10
PHYSICAL SCIENCES	8	0	11	33	52	8	7	119	31	7	2
ENVIRONMENTAL SCIENCES	0	0	33	11	6	2	9	61	18	3	0
MATHEMATICAL SCIENCES	1	0	5	12	65	16	10	109	36	11	6
LIFE SCIENCES	61	16	34	184	172	128	166	761	236	110	23
PSYCHOLOGY	0	7	0	4	48	2	14	75	19	10	0
SOCIAL SCIENCES	0	3	1	29	35	23	32	123	33	28	3
UNIVERSITY OF COLORADO											
TOTAL, ALL AREAS	115	273	81	316	604	136	957	2,482	734	829	231
* ENGINEERING	0	0	5	50	57	62	83	257	72	159	43
* PHYSICAL SCIENCES	15	0	31	76	100	13	13	248	72	5	1
* ENVIRONMENTAL SCIENCES	0	0	18	65	35	1	38	157	31	1	1
* MATHEMATICAL SCIENCES	0	0	0	2	98	19	86	205	53	39	15
* LIFE SCIENCES	90	239	18	13	98	14	179	651	259	99	23
* PSYCHOLOGY	9	29	2	23	69	2	59	193	40	10	4
* SOCIAL SCIENCES	1	5	7	87	147	25	499	771	207	516	144
UNIVERSITY OF DENVER											
TOTAL, ALL AREAS	11	63	7	42	203	48	359	733	293	236	60
PHYSICAL SCIENCES	7	0	4	2	15	4	10	42	8	9	2
MATHEMATICAL SCIENCES	0	0	0	1	8	1	10	20	6	30	11
LIFE SCIENCES	0	20	0	3	5	2	41	71	23	1	0
PSYCHOLOGY	2	22	0	7	29	17	59	136	23	36	2
SOCIAL SCIENCES	2	21	3	29	146	24	239	464	233	160	45
UNIVERSITY OF NORTHERN COLORADO											
TOTAL, ALL AREAS	0	0	1	6	35	10	63	115	62	15	7
PHYSICAL SCIENCES	0	0	0	0	1	2	7	10	5	6	1
ENVIRONMENTAL SCIENCES	0	0	0	0	2	1	2	5	4	0	0
MATHEMATICAL SCIENCES	0	0	1	1	17	3	17	39	17	3	2
LIFE SCIENCES	0	0	0	1	8	2	18	29	18	4	3
SOCIAL SCIENCES	0	0	0	4	7	2	19	32	18	2	1
CONNECTICUT											
TOTAL, ALL AREAS	257	228	115	185	1,196	215	843	3,039	928	435	136
ENGINEERING	7	7	20	22	143	23	83	305	108	169	50
PHYSICAL SCIENCES	26	0	22	56	178	26	17	325	80	21	7
ENVIRONMENTAL SCIENCES	0	0	12	4	30	1	18	65	13	3	2
MATHEMATICAL SCIENCES	0	2	16	15	86	5	10	134	35	17	1
LIFE SCIENCES	216	164	24	35	276	37	436	1,188	414	118	62
PSYCHOLOGY	5	35	6	24	115	35	76	296	61	49	2
SOCIAL SCIENCES	3	20	15	29	368	88	203	726	217	63	12
UNIVERSITY OF CONNECTICUT											
TOTAL, ALL AREAS	54	75	19	86	610	120	484	1,448	451	398	121
* ENGINEERING	5	3	7	11	116	18	82	242	84	164	47
PHYSICAL SCIENCES	0	0	1	7	69	4	13	94	28	20	7
ENVIRONMENTAL SCIENCES	0	0	4	0	11	0	11	26	6	1	1
MATHEMATICAL SCIENCES	0	0	0	0	27	1	5	33	8	15	1
* LIFE SCIENCES	43	57	6	33	156	30	199	524	178	113	60
PSYCHOLOGY	5	12	1	21	82	25	62	208	41	44	2
* SOCIAL SCIENCES	1	3	0	14	149	42	112	321	106	41	3
WESLEYAN UNIVERSITY											
TOTAL, ALL AREAS	12	2	4	5	61	4	8	96	24	10	1
PHYSICAL SCIENCES	6	0	2	3	23	1	3	38	9	1	0
ENVIRONMENTAL SCIENCES	0	0	0	2	1	0	3	6	1	0	0
MATHEMATICAL SCIENCES	0	2	0	0	10	0	1	13	3	2	0
LIFE SCIENCES	6	0	2	0	18	0	0	26	4	0	0
PSYCHOLOGY	0	0	0	0	6	3	0	9	5	0	0
SOCIAL SCIENCES	0	0	0	0	3	0	1	4	2	7	1
YALE UNIVERSITY											
TOTAL, ALL AREAS	191	151	92	94	525	91	351	1,495	453	27	14
ENGINEERING	2	4	13	11	27	5	1	63	24	5	3
PHYSICAL SCIENCES	20	0	19	46	86	21	1	193	43	0	0
ENVIRONMENTAL SCIENCES	0	0	8	2	18	1	4	33	6	2	1
MATHEMATICAL SCIENCES	0	0	16	15	49	4	4	88	24	0	0
LIFE SCIENCES	167	107	16	2	102	7	237	638	232	5	2
PSYCHOLOGY	0	23	5	3	27	7	14	79	15	0	0
SOCIAL SCIENCES	2	17	15	15	216	46	90	401	109	15	8
DELAWARE											
TOTAL, ALL AREAS	5	26	51	76	321	65	91	635	201	249	60
ENGINEERING	0	0	28	33	48	36	10	155	53	63	12
PHYSICAL SCIENCES	1	0	9	3	65	4	2	84	18	27	2
ENVIRONMENTAL SCIENCES	0	0	10	18	43	6	23	100	33	32	1
MATHEMATICAL SCIENCES	0	0	0	2	36	0	1	39	10	20	11
LIFE SCIENCES	3	25	2	9	40	9	15	103	35	39	17
PSYCHOLOGY	1	0	2	2	36	10	8	59	12	0	0
SOCIAL SCIENCES	0	1	0	9	53	0	32	95	40	68	17
UNIVERSITY OF DELAWARE											
TOTAL, ALL AREAS	5	26	51	76	321	65	91	635	201	249	60

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
DELAWARE, CONTINUED											
UNIVERSITY OF DELAWARE											
ENGINEERING	0	0	28	33	48	36	10	155	93	63	12
PHYSICAL SCIENCES	1	0	9	3	65	4	2	84	18	27	2
ENVIRONMENTAL SCIENCES	0	0	10	14	43	6	23	100	33	32	1
MATHEMATICAL SCIENCES	0	0	0	2	36	0	1	39	10	20	11
LIFE SCIENCES	3	25	2	9	40	9	15	103	35	39	17
PSYCHOLOGY	1	0	2	2	36	10	8	59	12	0	0
SOCIAL SCIENCES	0	1	0	9	53	0	32	95	40	68	17
DISTRICT OF COLUMBIA											
TOTAL, ALL AREAS	156	186	52	141	793	238	1,935	3,499	1,247	5,215	1,480
ENGINEERING	1	1	14	43	51	37	284	431	144	1,642	504
PHYSICAL SCIENCES	20	1	20	19	134	29	83	306	103	326	109
ENVIRONMENTAL SCIENCES	0	0	0	0	8	0	10	18	5	26	6
MATHEMATICAL SCIENCES	0	0	4	8	47	19	61	139	55	341	86
LIFE SCIENCES	108	163	14	22	176	67	324	874	314	420	127
PSYCHOLOGY	14	7	0	25	84	11	106	247	68	250	21
SOCIAL SCIENCES	13	12	0	24	293	75	1,067	1,484	558	2,210	627
AMERICAN UNIVERSITY											
TOTAL, ALL AREAS	0	11	1	10	161	15	535	733	265	1,420	309
PHYSICAL SCIENCES	0	0	1	3	12	7	7	30	14	89	26
MATHEMATICAL SCIENCES	0	0	0	0	12	6	6	24	8	105	25
LIFE SCIENCES	0	0	0	1	13	2	17	33	6	9	2
PSYCHOLOGY	0	7	0	4	15	0	3	29	8	1	1
* SOCIAL SCIENCES	0	4	0	2	109	0	502	617	229	1,216	255
CATHOLIC UNIVERSITY OF AMERICA											
TOTAL, ALL AREAS	28	170	6	55	108	119	258	744	266	1,111	390
* ENGINEERING	1	1	3	8	19	8	35	75	24	281	114
PHYSICAL SCIENCES	5	1	3	4	18	3	8	42	10	42	5
MATHEMATICAL SCIENCES	0	0	0	0	2	4	2	8	1	14	7
LIFE SCIENCES	9	160	0	10	13	43	48	283	130	239	90
PSYCHOLOGY	0	0	0	21	27	8	19	75	18	151	8
SOCIAL SCIENCES	13	8	0	12	29	53	146	261	85	384	166
GEORGE WASHINGTON UNIVERSITY											
TOTAL, ALL AREAS	31	0	15	35	150	24	447	702	219	2,221	572
ENGINEERING	0	0	11	24	6	17	228	286	85	1,325	370
PHYSICAL SCIENCES	0	0	0	0	14	0	33	47	28	174	73
ENVIRONMENTAL SCIENCES	0	0	0	0	8	0	10	18	5	26	6
MATHEMATICAL SCIENCES	0	0	2	5	11	1	36	55	17	202	49
LIFE SCIENCES	22	0	2	0	43	3	42	112	19	108	12
PSYCHOLOGY	9	0	0	0	22	3	29	63	17	77	5
SOCIAL SCIENCES	0	0	0	6	46	0	69	121	48	309	57
GEORGETOWN UNIVERSITY											
** TOTAL, ALL AREAS	34	1	13	21	112	36	364	581	221	165	81
* PHYSICAL SCIENCES	6	0	11	7	37	16	13	90	26	13	2
* MATHEMATICAL SCIENCES	0	0	0	0	1	0	5	6	1	6	1
* LIFE SCIENCES	28	1	2	10	46	12	156	255	118	33	11
** SOCIAL SCIENCES	0	0	0	4	28	8	190	230	76	113	67
HOWARD UNIVERSITY											
TOTAL, ALL AREAS	63	2	17	20	262	44	331	739	276	298	128
* ENGINEERING	0	0	0	11	26	12	21	70	35	36	20
* PHYSICAL SCIENCES	9	0	5	5	53	3	22	97	25	8	3
* MATHEMATICAL SCIENCES	0	0	2	3	21	8	12	46	28	14	4
* LIFE SCIENCES	49	2	10	1	61	7	61	191	41	31	12
* PSYCHOLOGY	5	0	0	0	20	0	55	80	27	21	7
* SOCIAL SCIENCES	0	0	0	0	81	14	160	255	120	188	82
FLORIDA											
TOTAL, ALL AREAS	204	130	220	554	1,621	548	1,721	4,998	1,830	2,976	1,660
ENGINEERING	10	0	38	207	181	71	228	735	406	1,221	1,104
PHYSICAL SCIENCES	24	0	55	39	225	4	44	391	112	30	3
ENVIRONMENTAL SCIENCES	12	7	68	40	123	21	151	422	149	84	39
MATHEMATICAL SCIENCES	8	2	4	22	154	46	36	272	129	134	92
LIFE SCIENCES	86	27	34	107	437	187	447	1,325	430	241	65
PSYCHOLOGY	60	41	19	30	126	152	248	676	129	303	96
SOCIAL SCIENCES	4	53	2	109	375	67	567	1,177	475	963	261
FLORIDA INSTITUTE OF TECHNOLOGY											
TOTAL, ALL AREAS	0	0	0	122	79	102	201	504	338	1,184	1,133
ENGINEERING	0	0	0	112	12	12	42	178	177	1,017	1,016
PHYSICAL SCIENCES	0	0	0	0	12	0	3	15	15	2	2
ENVIRONMENTAL SCIENCES	0	0	0	1	21	4	37	63	63	33	33
MATHEMATICAL SCIENCES	0	0	0	8	12	36	2	58	58	67	67
LIFE SCIENCES	0	0	0	1	19	0	10	30	10	3	0
PSYCHOLOGY	0	0	0	0	3	50	107	160	15	62	15
FLORIDA STATE UNIVERSITY											
TOTAL, ALL AREAS	76	61	81	161	331	70	587	1,367	527	286	63
PHYSICAL SCIENCES	21	0	28	17	56	1	12	135	42	3	0
ENVIRONMENTAL SCIENCES	10	7	29	19	29	4	29	127	33	7	2
MATHEMATICAL SCIENCES	8	0	4	12	29	3	15	71	22	6	4
LIFE SCIENCES	11	14	13	20	48	9	104	219	91	41	3
PSYCHOLOGY	23	4	6	9	28	20	46	136	29	14	0
SOCIAL SCIENCES	3	36	1	84	141	33	381	679	310	215	54
NOVA UNIVERSITY											
TOTAL, ALL AREAS	0	0	1	0	6	9	63	79	19	745	275

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
FLORIDA, CONTINUED											
NOVA UNIVERSITY											
ENVIRONMENTAL SCIENCES	0	0	1	0	0	0	0	1	0	0	0
MATHEMATICAL SCIENCES	0	0	0	0	0	0	0	0	0	22	10
LIFE SCIENCES	0	0	0	0	2	1	19	22	15	15	7
PSYCHOLOGY	0	0	0	0	1	8	44	56	4	160	80
SOCIAL SCIENCES	0	0	0	0	0	0	0	0	0	548	178
UNIVERSITY OF FLORIDA											
TOTAL, ALL AREAS	78	36	89	207	845	279	429	1,963	582	252	42
ENGINEERING	10	0	33	85	136	50	110	424	150	74	19
PHYSICAL SCIENCES	3	0	26	17	103	0	24	173	34	9	1
ENVIRONMENTAL SCIENCES	0	0	5	1	25	3	13	47	16	7	0
MATHEMATICAL SCIENCES	0	2	0	2	65	3	5	77	31	8	2
LIFE SCIENCES	46	2	13	75	290	165	155	746	218	70	17
PSYCHOLOGY	19	23	11	9	48	26	12	148	32	34	0
SOCIAL SCIENCES	0	9	1	18	178	32	110	348	101	50	3
UNIVERSITY OF MIAMI											
TOTAL, ALL AREAS	34	22	44	36	178	39	218	571	173	203	71
ENGINEERING	8	0	4	8	25	7	32	76	24	71	23
PHYSICAL SCIENCES	0	0	1	2	21	3	1	28	11	7	0
ENVIRONMENTAL SCIENCES	2	0	33	16	32	10	60	153	26	9	1
MATHEMATICAL SCIENCES	0	0	0	0	26	1	11	38	16	19	5
LIFE SCIENCES	29	10	4	7	38	11	25	124	44	41	30
PSYCHOLOGY	2	12	2	2	22	5	36	81	21	0	0
SOCIAL SCIENCES	1	0	0	1	14	2	53	71	31	56	12
UNIVERSITY OF SOUTH FLORIDA											
TOTAL, ALL AREAS	16	11	5	28	182	49	223	514	191	306	76
ENGINEERING	0	0	1	2	8	2	44	57	55	59	46
PHYSICAL SCIENCES	0	0	0	3	33	0	4	40	10	9	0
ENVIRONMENTAL SCIENCES	0	0	0	3	16	0	12	31	11	28	3
MATHEMATICAL SCIENCES	0	0	0	0	22	3	3	28	2	12	4
LIFE SCIENCES	0	1	4	4	40	1	114	184	52	71	8
PSYCHOLOGY	16	2	0	10	21	43	3	95	28	33	1
SOCIAL SCIENCES	0	8	0	6	42	0	23	79	33	94	14
GEORGIA											
TOTAL, ALL AREAS	157	163	100	255	1,562	316	1,398	3,951	1,573	1,136	460
ENGINEERING	31	7	22	119	246	134	248	779	405	287	124
PHYSICAL SCIENCES	42	0	18	24	224	23	22	353	106	78	22
ENVIRONMENTAL SCIENCES	0	7	5	15	36	5	21	89	41	22	8
MATHEMATICAL SCIENCES	3	3	6	5	113	28	109	267	136	167	90
LIFE SCIENCES	91	52	46	61	496	84	282	1,112	377	194	98
PSYCHOLOGY	12	23	0	5	163	19	165	387	98	62	11
SOCIAL SCIENCES	6	71	3	26	284	23	551	964	410	326	107
ATLANTA UNIVERSITY											
TOTAL, ALL AREAS	47	52	23	20	79	30	180	431	184	59	34
PHYSICAL SCIENCES	13	0	5	4	16	8	0	46	19	6	0
* MATHEMATICAL SCIENCES	0	0	4	0	5	4	0	13	9	4	1
LIFE SCIENCES	34	8	12	0	6	9	24	93	32	6	3
* SOCIAL SCIENCES	0	44	2	16	52	9	156	279	124	43	30
EMORY UNIVERSITY											
TOTAL, ALL AREAS	22	31	1	2	190	6	96	348	140	156	47
PHYSICAL SCIENCES	2	0	1	0	34	1	0	38	10	14	1
ENVIRONMENTAL SCIENCES	0	0	0	0	2	0	1	3	2	1	1
MATHEMATICAL SCIENCES	0	0	0	0	9	0	1	10	3	11	2
LIFE SCIENCES	18	31	0	1	94	2	64	210	101	82	41
PSYCHOLOGY	0	0	0	1	31	0	19	51	14	13	0
SOCIAL SCIENCES	2	0	0	0	20	3	11	36	10	35	2
GEORGIA INSTITUTE OF TECHNOLOGY											
TOTAL, ALL AREAS	24	12	34	158	388	181	389	1,186	593	432	200
ENGINEERING	3	7	22	119	237	134	248	770	401	287	124
PHYSICAL SCIENCES	17	0	7	13	80	6	2	125	31	16	4
ENVIRONMENTAL SCIENCES	0	0	4	15	6	3	10	38	19	15	6
MATHEMATICAL SCIENCES	3	3	1	5	39	24	42	117	75	83	58
LIFE SCIENCES	1	2	0	1	9	9	14	36	27	1	1
PSYCHOLOGY	0	0	0	0	11	5	20	36	10	7	1
SOCIAL SCIENCES	0	0	0	5	6	0	53	64	30	23	6
GEORGIA STATE UNIVERSITY											
TOTAL, ALL AREAS	5	30	2	11	109	1	300	458	161	368	139
PHYSICAL SCIENCES	3	0	0	0	8	1	6	18	7	40	17
MATHEMATICAL SCIENCES	0	0	0	0	16	0	56	72	36	64	28
LIFE SCIENCES	2	10	2	11	7	0	19	51	22	45	32
PSYCHOLOGY	0	8	0	0	32	0	70	110	32	42	10
SOCIAL SCIENCES	0	12	0	0	46	0	149	207	64	177	52
MEDICAL COLLEGE OF GEORGIA											
TOTAL, ALL AREAS	7	0	0	1	35	20	18	81	21	9	4
LIFE SCIENCES	7	0	0	1	35	20	18	81	21	9	4
MERCER UNIVERSITY											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
UNIVERSITY OF GEORGIA											
TOTAL, ALL AREAS	52	38	40	63	761	78	415	1,447	474	112	36

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
GEORGIA, CONTINUED											
UNIVERSITY OF GEORGIA											
ENGINEERING	0	0	0	0	9	0	0	9	4	0	0
PHYSICAL SCIENCES	7	0	5	7	86	7	14	126	39	2	0
ENVIRONMENTAL SCIENCES	0	7	1	0	28	2	10	48	20	6	1
MATHEMATICAL SCIENCES	0	0	1	0	44	0	10	55	13	5	1
LIFE SCIENCES	29	1	32	47	345	44	143	641	174	51	17
PSYCHOLOGY	12	15	0	4	89	14	56	190	42	0	0
SOCIAL SCIENCES	4	15	1	5	160	11	102	378	102	48	17
HAWAII											
TOTAL, ALL AREAS	34	62	75	254	326	114	468	1,333	345	168	31
ENGINEERING	0	0	12	19	15	8	24	78	23	26	7
PHYSICAL SCIENCES	2	0	12	15	42	3	10	84	16	0	0
ENVIRONMENTAL SCIENCES	0	6	29	42	20	8	21	126	34	8	0
MATHEMATICAL SCIENCES	0	0	0	2	13	0	35	50	11	11	1
LIFE SCIENCES	29	35	16	82	100	49	179	490	154	33	7
PSYCHOLOGY	3	14	5	7	15	12	56	112	11	0	0
SOCIAL SCIENCES	0	7	1	87	121	34	143	393	96	90	16
UNIVERSITY OF HAWAII AT MANOA											
TOTAL, ALL AREAS	34	62	75	254	326	114	468	1,333	345	168	31
ENGINEERING	0	0	12	19	15	8	24	78	23	26	7
PHYSICAL SCIENCES	2	0	12	15	42	3	10	84	16	0	0
ENVIRONMENTAL SCIENCES	0	6	29	42	20	8	21	126	34	8	0
MATHEMATICAL SCIENCES	0	0	0	2	13	0	35	50	11	11	1
LIFE SCIENCES	29	35	16	82	100	49	179	490	154	33	7
PSYCHOLOGY	3	14	5	7	15	12	56	112	11	0	0
SOCIAL SCIENCES	0	7	1	87	121	34	143	393	96	90	16
IDAHO											
TOTAL, ALL AREAS	12	17	6	82	278	67	333	795	248	396	222
ENGINEERING	0	11	1	14	25	18	34	103	37	233	192
PHYSICAL SCIENCES	3	1	0	1	37	3	6	51	16	6	1
ENVIRONMENTAL SCIENCES	9	0	0	18	16	8	67	118	29	46	1
MATHEMATICAL SCIENCES	0	0	1	0	25	1	0	27	6	3	2
LIFE SCIENCES	0	0	4	46	118	37	156	361	116	50	13
PSYCHOLOGY	0	0	0	0	7	0	19	26	14	3	2
SOCIAL SCIENCES	0	5	0	3	50	0	51	109	30	55	11
IDAHO STATE UNIVERSITY											
TOTAL, ALL AREAS	0	0	4	8	75	8	83	178	54	59	22
ENGINEERING	0	0	0	0	4	0	1	5	1	8	6
PHYSICAL SCIENCES	0	0	0	0	6	0	0	6	4	3	1
ENVIRONMENTAL SCIENCES	0	0	0	2	4	1	17	24	9	5	1
MATHEMATICAL SCIENCES	0	0	1	0	15	0	0	16	3	2	1
LIFE SCIENCES	0	0	3	6	29	7	44	89	20	16	5
PSYCHOLOGY	0	0	0	0	2	0	13	15	11	2	2
SOCIAL SCIENCES	0	0	0	0	15	0	8	23	6	23	6
UNIVERSITY OF IDAHO											
TOTAL, ALL AREAS	12	17	2	74	203	59	250	617	194	337	200
* ENGINEERING	0	11	1	14	21	18	33	98	36	225	186
PHYSICAL SCIENCES	3	1	0	1	31	3	6	45	12	3	0
ENVIRONMENTAL SCIENCES	9	0	0	16	12	7	50	94	20	41	0
MATHEMATICAL SCIENCES	0	0	0	0	10	1	0	11	3	1	1
LIFE SCIENCES	0	0	1	40	89	30	112	272	96	34	8
PSYCHOLOGY	0	0	0	0	5	0	6	11	3	1	0
SOCIAL SCIENCES	0	5	0	3	35	0	43	86	24	32	5
ILLINOIS											
TOTAL, ALL AREAS	592	547	775	1,041	4,532	796	2,946	11,229	4,027	4,077	1,432
ENGINEERING	28	26	218	446	608	223	347	1,896	770	946	346
PHYSICAL SCIENCES	94	36	313	151	652	79	46	1,331	334	141	28
ENVIRONMENTAL SCIENCES	0	2	65	18	113	36	17	251	99	57	12
MATHEMATICAL SCIENCES	4	0	61	60	530	29	199	883	297	312	90
LIFE SCIENCES	394	273	50	232	1,102	182	702	2,935	1,075	1,070	422
PSYCHOLOGY	88	104	15	50	456	20	309	1,042	320	437	83
SOCIAL SCIENCES	24	106	53	84	1,071	227	1,326	2,891	1,132	1,114	451
CHICAGO COLL OF OSTEO MED & SURGERY											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
DE PAUL UNIVERSITY											
TOTAL, ALL AREAS	0	42	1	0	70	0	147	260	110	281	113
PHYSICAL SCIENCES	0	0	0	0	15	0	5	20	7	16	7
MATHEMATICAL SCIENCES	0	0	0	0	4	0	0	4	0	5	2
LIFE SCIENCES	0	42	1	0	12	0	19	74	37	84	34
PSYCHOLOGY	0	0	0	0	30	0	12	42	16	39	0
SOCIAL SCIENCES	0	0	0	0	9	0	111	120	50	137	70
ILLINOIS INSTITUTE OF TECHNOLOGY											
TOTAL, ALL AREAS	6	29	15	28	162	33	112	385	144	1,082	329
ENGINEERING	0	11	10	28	82	29	49	199	71	599	210
PHYSICAL SCIENCES	4	0	3	0	23	0	1	31	9	22	5
MATHEMATICAL SCIENCES	0	0	2	0	36	2	4	44	8	185	35
LIFE SCIENCES	2	0	0	0	5	0	7	14	7	65	36
PSYCHOLOGY	0	28	0	0	12	0	45	85	47	150	28
SOCIAL SCIENCES	0	0	0	0	4	2	6	12	2	61	11
ILLINOIS STATE UNIVERSITY											
TOTAL, ALL AREAS	4	2	1	2	142	4	142	297	140	139	48

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
ILLINOIS, CONTINUED											
ILLINOIS STATE UNIVERSITY											
PHYSICAL SCIENCES	0	0	1	0	16	0	3	20	14	2	1
ENVIRONMENTAL SCIENCES	0	0	0	0	7	0	2	9	5	0	0
MATHEMATICAL SCIENCES	0	0	0	1	15	0	0	16	5	17	4
LIFE SCIENCES	4	0	0	1	52	1	69	127	54	48	25
PSYCHOLOGY	0	0	0	0	30	0	46	76	37	44	12
SOCIAL SCIENCES	0	2	0	0	22	3	22	49	25	28	6
LOYOLA UNIVERSITY OF CHICAGO											
TOTAL, ALL AREAS	20	30	0	41	144	29	309	573	244	286	108
PHYSICAL SCIENCES	0	0	0	0	18	1	1	20	7	31	7
MATHEMATICAL SCIENCES	0	0	0	0	1	0	1	2	2	6	6
LIFE SCIENCES	10	24	0	9	58	17	81	195	82	87	40
PSYCHOLOGY	7	0	0	28	34	4	84	157	45	7	0
SOCIAL SCIENCES	3	6	0	8	33	7	142	199	108	155	55
NORTHERN ILLINOIS UNIVERSITY											
TOTAL, ALL AREAS	7	37	17	8	335	22	218	644	294	473	113
PHYSICAL SCIENCES	3	2	3	0	42	0	4	54	18	17	0
ENVIRONMENTAL SCIENCES	0	0	13	1	13	11	4	42	24	6	0
MATHEMATICAL SCIENCES	0	0	0	0	50	0	104	154	72	57	30
LIFE SCIENCES	4	33	0	2	56	2	67	164	111	196	53
PSYCHOLOGY	0	2	1	4	47	0	5	59	18	30	0
SOCIAL SCIENCES	0	0	0	1	127	9	34	171	51	167	30
NORTHWESTERN UNIVERSITY											
TOTAL, ALL AREAS	116	20	145	98	459	131	175	1,144	392	177	73
ENGINEERING	14	15	61	66	126	70	9	442	180	115	46
PHYSICAL SCIENCES	19	0	56	7	64	18	2	166	44	7	0
ENVIRONMENTAL SCIENCES	0	1	5	0	6	2	1	15	2	12	0
MATHEMATICAL SCIENCES	0	0	2	6	42	2	1	53	15	1	0
LIFE SCIENCES	53	0	1	3	71	14	27	169	51	31	18
PSYCHOLOGY	22	2	4	3	49	0	7	87	22	0	0
SOCIAL SCIENCES	8	2	16	13	101	25	47	212	78	11	9
RUSH UNIVERSITY											
TOTAL, ALL AREAS	3	27	0	0	9	3	42	84	65	56	46
LIFE SCIENCES	3	27	0	0	9	3	42	84	65	56	46
SOUTHERN ILLINOIS UNIV AT CARBONDALE											
TOTAL, ALL AREAS	14	14	1	8	52	4	8	65	20	33	10
ENGINEERING	0	3	0	1	19	0	4	27	14	4	1
PHYSICAL SCIENCES	0	0	0	0	3	0	5	4	9	2	2
ENVIRONMENTAL SCIENCES	0	1	0	0	2	0	0	2	1	7	3
MATHEMATICAL SCIENCES	0	0	0	0	3	0	7	4	1	12	4
LIFE SCIENCES	0	2	0	3	21	0	3	25	8	11	3
PSYCHOLOGY	14	8	0	1	7	0	1	11	3	8	2
SOCIAL SCIENCES	0	0	1	3	11	4	2	6	1	5	1
SOUTHERN ILLINOIS UNIV AT EDWARDSVILLE											
TOTAL, ALL AREAS	0	3	3	13	14	7	0	16	5	22	7
* PHYSICAL SCIENCES	0	0	0	0	1	9	0	1	7	8	3
* ENVIRONMENTAL SCIENCES	0	0	0	1	1	4	0	1	5	15	5
* MATHEMATICAL SCIENCES	0	0	0	0	1	1	0	1	4	8	3
* LIFE SCIENCES	0	1	1	12	2	8	0	4	14	46	16
* PSYCHOLOGY	0	1	0	0	2	8	0	2	10	6	2
* SOCIAL SCIENCES	0	1	2	0	4	7	0	5	17	8	2
UNIV OF ILLINOIS MED CENTER - CHICAGO											
TOTAL, ALL AREAS	41	10	1	10	17	3	14	51	18	22	8
LIFE SCIENCES	41	10	1	10	17	3	14	51	18	22	8
UNIVERSITY OF CHICAGO											
TOTAL, ALL AREAS	213	38	17	89	29	11	48	1,41	43	78	7
PHYSICAL SCIENCES	17	0	92	59	64	19	0	25	46	1	0
ENVIRONMENTAL SCIENCES	0	0	28	6	16	1	3	54	17	0	0
MATHEMATICAL SCIENCES	0	0	19	3	65	5	2	94	21	1	0
LIFE SCIENCES	158	6	13	13	34	10	63	297	74	3	0
PSYCHOLOGY	28	4	1	0	19	3	44	99	31	15	2
SOCIAL SCIENCES	10	28	25	8	99	75	375	620	242	58	5
UNIVERSITY OF HEALTH SCIENCES											
TOTAL, ALL AREAS	1	0	0	0	23	1	34	59	23	17	5
LIFE SCIENCES	1	0	0	0	20	1	18	40	15	17	5
PSYCHOLOGY	0	0	0	0	3	0	16	19	8	0	0
UNIVERSITY OF ILLINOIS - CHICAGO CIRCLE											
TOTAL, ALL AREAS	24	61	44	20	90	54	443	1,146	42	471	287
ENGINEERING	12	1	24	16	71	4	108	236	114	145	62
PHYSICAL SCIENCES	2	1	10	1	95	3	14	126	26	11	2
ENVIRONMENTAL SCIENCES	0	0	2	0	15	0	5	22	10	0	0
MATHEMATICAL SCIENCES	0	0	2	1	74	1	7	85	19	14	5
LIFE SCIENCES	3	0	5	0	71	0	4	83	18	11	4
PSYCHOLOGY	6	19	0	0	60	1	34	120	21	5	0
* SOCIAL SCIENCES	1	40	1	2	114	45	271	474	212	285	214
UNIVERSITY OF ILLINOIS - URBANA											
TOTAL, ALL AREAS	143	137	369	724	1,544	370	608	3,893	1,312	237	52
ENGINEERING	2	6	123	335	310	120	96	992	391	47	12
PHYSICAL SCIENCES	91	33	148	84	258	38	11	581	147	3	1

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
ILLINOIS, CONTINUED											
UNIVERSITY OF ILLINOIS - URBANA											
ENVIRONMENTAL SCIENCES	0	0	17	10	16	22	2	67	18	17	4
MATHEMATICAL SCIENCES	4	0	36	49	199	19	73	380	134	6	1
LIFE SCIENCES	115	31	28	183	291	102	129	879	276	92	26
PSYCHOLOGY	11	40	9	14	69	12	3	158	34	0	0
SOCIAL SCIENCES	2	27	8	49	401	57	292	836	312	72	8
INDIANA											
TOTAL, ALL AREAS	289	152	313	558	2,720	521	1,124	5,677	1,852	1,436	460
ENGINEERING	10	5	121	258	372	158	161	1,085	376	347	86
PHYSICAL SCIENCES	76	0	104	64	461	30	27	762	205	59	8
ENVIRONMENTAL SCIENCES	0	9	19	13	71	13	54	179	48	39	9
MATHEMATICAL SCIENCES	3	3	5	10	365	42	86	514	210	176	96
LIFE SCIENCES	167	98	39	114	691	156	371	1,638	557	457	175
PSYCHOLOGY	32	21	14	24	272	14	127	504	155	102	19
SOCIAL SCIENCES	1	16	11	75	488	106	298	995	301	256	67
BALL STATE UNIVERSITY											
TOTAL, ALL AREAS	0	0	0	6	156	0	70	232	132	301	99
PHYSICAL SCIENCES	0	0	0	0	13	0	2	15	10	10	4
ENVIRONMENTAL SCIENCES	0	0	0	0	2	0	6	8	4	13	7
MATHEMATICAL SCIENCES	0	0	0	0	22	0	5	27	20	18	8
LIFE SCIENCES	0	0	0	6	36	0	17	59	42	116	34
PSYCHOLOGY	0	0	0	0	37	0	28	65	22	44	12
SOCIAL SCIENCES	0	0	0	0	46	0	12	58	36	100	34
INDIANA STATE UNIVERSITY											
TOTAL, ALL AREAS	0	0	0	6	132	5	90	233	97	96	24
PHYSICAL SCIENCES	0	0	0	2	13	0	3	18	11	8	1
ENVIRONMENTAL SCIENCES	0	0	0	0	28	0	15	43	4	15	0
MATHEMATICAL SCIENCES	0	0	0	0	5	0	15	20	8	8	5
LIFE SCIENCES	0	0	0	0	31	1	10	42	9	15	5
PSYCHOLOGY	0	0	0	3	28	0	18	49	25	0	0
SOCIAL SCIENCES	0	0	0	1	27	4	29	61	40	50	13
INDIANA UNIVERSITY - BLOOMINGTON											
TOTAL, ALL AREAS	85	97	80	75	693	122	334	1,486	427	338	106
PHYSICAL SCIENCES	35	0	40	28	125	16	18	262	60	1	0
ENVIRONMENTAL SCIENCES	0	6	5	4	27	6	26	74	29	5	0
MATHEMATICAL SCIENCES	0	0	3	1	154	10	18	186	51	28	10
LIFE SCIENCES	27	81	15	18	126	31	140	438	166	212	87
PSYCHOLOGY	23	0	6	0	48	0	1	78	23	31	0
SOCIAL SCIENCES	0	10	11	24	213	59	131	448	98	61	9
INDIANA-PURDUE UNIV AT INDIANAPOLIS											
TOTAL, ALL AREAS	39	2	1	0	62	13	76	193	52	36	9
LIFE SCIENCES	39	2	1	0	62	13	76	193	52	36	9
PURDUE UNIVERSITY											
TOTAL, ALL AREAS	144	49	219	433	1,376	350	411	2,982	978	600	206
* ENGINEERING	10	5	110	230	326	148	139	968	337	315	81
PHYSICAL SCIENCES	30	0	64	25	245	10	4	378	94	33	0
ENVIRONMENTAL SCIENCES	0	3	14	9	14	7	7	54	11	6	2
* MATHEMATICAL SCIENCES	3	3	2	9	152	30	48	247	119	122	73
* LIFE SCIENCES	98	15	23	90	398	108	116	848	275	67	35
PSYCHOLOGY	3	20	6	21	119	14	34	217	57	23	6
SOCIAL SCIENCES	0	3	0	49	122	33	63	270	85	34	9
UNIVERSITY OF NOTRE DAME											
TOTAL, ALL AREAS	21	4	13	38	301	31	143	551	166	65	16
ENGINEERING	0	0	11	28	46	10	22	117	39	32	5
PHYSICAL SCIENCES	11	0	0	9	65	4	0	89	30	7	3
MATHEMATICAL SCIENCES	0	0	0	0	32	2	0	34	12	0	0
LIFE SCIENCES	3	0	0	0	38	5	12	58	13	11	5
PSYCHOLOGY	6	1	2	0	40	0	46	95	28	4	1
SOCIAL SCIENCES	1	3	0	1	80	10	63	158	44	11	2
IOWA											
TOTAL, ALL AREAS	140	91	74	340	1,449	270	835	3,199	1,033	1,069	215
ENGINEERING	7	2	25	111	274	28	193	640	250	188	44
PHYSICAL SCIENCES	13	0	20	112	194	6	21	366	87	16	1
ENVIRONMENTAL SCIENCES	3	0	1	3	50	2	22	81	18	25	4
MATHEMATICAL SCIENCES	1	3	6	9	185	7	86	297	101	42	5
LIFE SCIENCES	109	65	16	63	414	155	259	1,081	333	420	80
PSYCHOLOGY	4	13	1	4	79	5	6	112	31	63	10
SOCIAL SCIENCES	3	8	5	38	253	67	248	622	213	315	71
COLLEGE OF OSTEOPATHIC MED & SURGERY											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
IOWA STATE UNIVERSITY OF SCI & TECH											
TOTAL, ALL AREAS	45	0	39	238	827	206	376	1,731	503	568	99
ENGINEERING	0	0	15	60	220	6	138	439	147	133	23
PHYSICAL SCIENCES	9	0	11	98	126	0	9	253	53	16	1
ENVIRONMENTAL SCIENCES	3	0	0	3	19	0	6	31	5	7	4
MATHEMATICAL SCIENCES	1	0	4	9	100	5	28	147	46	29	5
LIFE SCIENCES	28	0	7	48	214	144	120	561	165	213	29
PSYCHOLOGY	4	0	0	2	45	1	6	58	19	39	10
SOCIAL SCIENCES	0	0	2	18	103	50	69	242	68	131	27
UNIVERSITY OF IOWA											
TOTAL, ALL AREAS	95	91	35	102	622	64	459	1,468	530	501	116

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
IOWA, CONTINUED											
UNIVERSITY OF IOWA											
ENGINEERING	7	2	10	51	54	22	55	201	103	55	21
PHYSICAL SCIENCES	4	0	9	14	68	6	12	113	34	0	0
ENVIRONMENTAL SCIENCES	0	0	1	0	31	2	16	50	13	18	0
MATHEMATICAL SCIENCES	0	3	2	0	85	2	58	150	55	13	0
LIFE SCIENCES	81	65	9	15	200	11	139	520	168	207	51
PSYCHOLOGY	0	13	1	2	34	4	0	54	12	24	0
SOCIAL SCIENCES	3	8	3	20	150	17	179	380	145	184	46
KANSAS											
TOTAL, ALL AREAS	160	167	69	218	1,187	308	953	3,062	894	1,351	223
ENGINEERING	1	6	20	67	125	54	178	451	127	198	29
PHYSICAL SCIENCES	6	0	19	23	132	2	23	205	47	16	0
ENVIRONMENTAL SCIENCES	0	0	4	11	32	6	14	67	24	27	2
MATHEMATICAL SCIENCES	0	0	1	7	120	9	67	204	58	38	7
LIFE SCIENCES	100	76	23	34	422	117	218	990	315	430	72
PSYCHOLOGY	50	65	0	17	116	91	71	410	101	68	7
SOCIAL SCIENCES	3	20	2	59	240	29	382	735	222	574	106
KANSAS STATE UNIV OF AGR & APPLIED SCI											
TOTAL, ALL AREAS	13	22	25	80	488	118	298	1,044	355	234	55
ENGINEERING	0	0	9	18	73	11	76	187	61	25	2
PHYSICAL SCIENCES	0	0	9	12	55	2	4	82	24	5	0
ENVIRONMENTAL SCIENCES	0	0	1	1	5	1	3	11	3	3	0
MATHEMATICAL SCIENCES	0	0	0	4	56	3	29	92	29	22	4
LIFE SCIENCES	8	4	5	30	202	87	110	446	146	103	34
PSYCHOLOGY	2	0	0	0	19	2	11	34	13	4	0
SOCIAL SCIENCES	3	18	1	15	78	12	65	192	79	72	15
UNIVERSITY OF KANSAS											
TOTAL, ALL AREAS	147	125	44	104	579	190	538	1,727	499	635	123
ENGINEERING	1	6	11	45	42	43	77	225	54	91	18
PHYSICAL SCIENCES	6	0	10	9	54	0	14	93	21	3	0
ENVIRONMENTAL SCIENCES	0	0	3	10	21	5	7	46	18	16	1
MATHEMATICAL SCIENCES	0	0	1	3	56	6	37	103	28	9	1
LIFE SCIENCES	92	52	18	4	197	30	77	470	162	209	29
PSYCHOLOGY	48	65	0	17	78	89	54	351	81	27	7
SOCIAL SCIENCES	0	2	1	16	131	17	272	439	135	280	67
WICHITA STATE UNIVERSITY											
TOTAL, ALL AREAS	0	20	0	34	120	0	117	291	40	482	45
ENGINEERING	0	0	0	4	10	0	25	39	12	82	9
PHYSICAL SCIENCES	0	0	0	2	23	0	5	30	2	8	0
ENVIRONMENTAL SCIENCES	0	0	0	0	6	0	4	10	3	8	1
MATHEMATICAL SCIENCES	0	0	0	0	8	0	1	9	1	7	2
LIFE SCIENCES	0	20	0	0	23	0	31	74	7	118	9
PSYCHOLOGY	0	0	0	0	19	0	6	25	7	37	0
SOCIAL SCIENCES	0	0	0	28	31	0	45	104	8	222	24
KENTUCKY											
TOTAL, ALL AREAS	26	67	33	141	806	69	596	1,738	699	724	342
ENGINEERING	0	6	21	23	71	11	109	241	160	167	93
PHYSICAL SCIENCES	4	0	4	2	78	4	3	95	15	23	4
ENVIRONMENTAL SCIENCES	0	3	0	6	15	2	2	28	12	7	1
MATHEMATICAL SCIENCES	0	0	0	1	103	3	24	131	64	54	14
LIFE SCIENCES	10	21	5	47	337	25	229	674	245	175	91
PSYCHOLOGY	9	7	0	13	65	10	40	144	25	24	0
SOCIAL SCIENCES	3	30	3	49	137	14	189	425	178	274	139
UNIVERSITY OF KENTUCKY											
TOTAL, ALL AREAS	18	67	31	125	596	46	286	1,169	437	341	95
ENGINEERING	0	6	21	21	50	7	17	122	57	102	35
PHYSICAL SCIENCES	1	0	4	2	48	0	2	57	11	8	4
ENVIRONMENTAL SCIENCES	0	3	0	6	15	2	2	28	12	7	1
MATHEMATICAL SCIENCES	0	0	0	0	89	3	11	103	37	26	6
• LIFE SCIENCES	7	21	3	35	238	20	131	455	174	62	17
PSYCHOLOGY	7	7	0	13	29	1	5	62	15	24	0
SOCIAL SCIENCES	3	30	3	48	127	13	118	342	131	112	32
UNIVERSITY OF LOUISVILLE											
TOTAL, ALL AREAS	8	0	2	16	210	23	310	569	262	383	247
ENGINEERING	0	0	0	2	21	4	92	119	103	65	58
PHYSICAL SCIENCES	3	0	0	0	30	4	1	38	4	15	0
MATHEMATICAL SCIENCES	0	0	0	1	14	0	13	28	27	28	8
• LIFE SCIENCES	3	0	2	12	99	5	98	219	71	113	74
PSYCHOLOGY	2	0	0	0	36	9	35	82	10	0	0
SOCIAL SCIENCES	0	0	0	1	10	1	71	83	47	162	107
LOUISIANA											
TOTAL, ALL AREAS	46	27	26	283	1,062	260	798	2,502	924	981	287
ENGINEERING	4	2	3	29	94	36	79	247	105	307	90
PHYSICAL SCIENCES	7	0	12	9	166	3	10	207	44	36	12
ENVIRONMENTAL SCIENCES	0	0	1	26	74	15	19	135	49	61	13
MATHEMATICAL SCIENCES	1	0	5	3	113	9	73	204	73	54	18
LIFE SCIENCES	25	19	5	188	369	175	359	1,140	460	241	72
PSYCHOLOGY	9	1	0	7	91	13	102	223	66	48	14
SOCIAL SCIENCES	0	5	0	21	155	9	156	346	127	234	68
LOUISIANA STATE UNIVERSITY SYSTEM											
TOTAL, ALL AREAS	21	5	11	129	543	119	296	1,124	342	289	54

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
LOUISIANA, CONTINUED											
LOUISIANA STATE UNIVERSITY SYSTEM											
ENGINEERING	0	2	0	2	47	23	41	134	53	73	22
PHYSICAL SCIENCES	4	0	6	3	94	0	2	109	21	5	2
ENVIRONMENTAL SCIENCES	0	0	1	24	41	5	5	76	21	23	2
MATHEMATICAL SCIENCES	0	0	0	0	33	5	15	53	18	30	11
* LIFE SCIENCES	9	3	4	61	221	79	137	514	160	92	15
PSYCHOLOGY	8	0	0	7	33	6	30	84	19	5	0
SOCIAL SCIENCES	0	0	0	13	74	1	66	154	50	61	2
LOUISIANA TECH UNIVERSITY											
TOTAL, ALL AREAS	1	0	0	2	51	4	39	97	44	37	10
ENGINEERING	0	0	0	1	20	4	7	32	13	30	8
PHYSICAL SCIENCES	0	0	0	0	9	0	2	11	1	0	0
MATHEMATICAL SCIENCES	1	0	0	0	8	0	0	9	1	1	0
LIFE SCIENCES	0	0	0	1	9	0	21	31	15	3	1
SOCIAL SCIENCES	0	0	0	0	5	0	9	14	14	3	1
NORTHEAST LOUISIANA UNIVERSITY											
TOTAL, ALL AREAS	0	0	0	0	76	3	12	91	43	35	14
PHYSICAL SCIENCES	0	0	0	0	10	0	0	10	7	4	0
ENVIRONMENTAL SCIENCES	0	0	0	0	16	2	0	18	7	3	3
LIFE SCIENCES	0	0	0	0	34	1	0	35	19	15	6
PSYCHOLOGY	0	0	0	0	16	0	12	28	10	13	5
TULANE UNIVERSITY OF LOUISIANA											
TOTAL, ALL AREAS	18	19	4	134	173	120	254	722	308	318	94
ENGINEERING	4	0	3	7	16	9	16	55	27	157	43
PHYSICAL SCIENCES	0	0	1	0	8	3	4	16	2	6	0
ENVIRONMENTAL SCIENCES	0	0	0	0	6	1	4	11	4	18	5
MATHEMATICAL SCIENCES	0	0	0	0	21	4	3	28	10	3	1
LIFE SCIENCES	14	14	0	126	56	95	164	469	231	99	41
PSYCHOLOGY	0	0	0	0	25	1	21	47	7	7	1
SOCIAL SCIENCES	0	5	0	1	41	7	42	96	27	28	3
UNIVERSITY OF NEW ORLEANS											
TOTAL, ALL AREAS	6	1	5	13	111	11	98	245	103	216	79
ENGINEERING	0	0	0	0	0	0	0	0	0	25	7
PHYSICAL SCIENCES	3	0	5	6	41	0	2	57	12	19	8
ENVIRONMENTAL SCIENCES	0	0	0	0	7	4	4	15	7	15	1
MATHEMATICAL SCIENCES	0	0	0	0	5	0	3	8	5	12	2
LIFE SCIENCES	2	0	0	0	19	0	24	45	24	3	1
PSYCHOLOGY	1	1	0	0	9	6	29	46	21	5	1
SOCIAL SCIENCES	0	0	0	7	30	1	36	74	34	137	59
UNIVERSITY OF SOUTHWESTERN LOUISIANA											
TOTAL, ALL AREAS	0	2	6	5	108	3	99	223	84	86	36
ENGINEERING	0	0	0	0	11	0	15	26	12	22	10
PHYSICAL SCIENCES	0	0	0	0	4	0	0	4	1	2	2
ENVIRONMENTAL SCIENCES	0	0	0	2	4	3	6	15	10	2	2
MATHEMATICAL SCIENCES	0	0	5	3	46	0	52	106	39	8	4
LIFE SCIENCES	0	2	1	0	30	0	13	46	11	29	8
PSYCHOLOGY	0	0	0	0	8	0	10	18	9	18	7
SOCIAL SCIENCES	0	0	0	0	5	0	3	8	2	5	3
MAINE											
TOTAL, ALL AREAS	8	7	16	49	162	35	101	378	124	109	9
ENGINEERING	0	0	3	10	12	8	4	37	18	7	0
PHYSICAL SCIENCES	1	0	5	3	15	1	2	27	9	2	0
ENVIRONMENTAL SCIENCES	0	0	5	1	6	15	14	41	10	9	0
MATHEMATICAL SCIENCES	0	0	0	0	8	0	5	13	6	4	0
LIFE SCIENCES	5	0	3	23	82	8	32	153	57	24	2
PSYCHOLOGY	2	7	0	5	28	0	19	61	13	12	0
SOCIAL SCIENCES	0	0	0	7	11	3	25	46	11	51	7
UNIVERSITY OF MAINE AT ORONO											
TOTAL, ALL AREAS	8	7	16	49	162	35	101	378	124	109	9
ENGINEERING	0	0	3	10	12	8	4	37	18	7	0
PHYSICAL SCIENCES	1	0	5	3	15	1	2	27	9	2	0
ENVIRONMENTAL SCIENCES	0	0	5	1	6	15	14	41	10	9	0
MATHEMATICAL SCIENCES	0	0	0	0	8	0	5	13	6	4	0
LIFE SCIENCES	5	0	3	23	82	8	32	153	57	24	2
PSYCHOLOGY	2	7	0	5	28	0	19	61	13	12	0
SOCIAL SCIENCES	0	0	0	7	11	3	25	46	11	51	7
MARYLAND											
TOTAL, ALL AREAS	211	393	116	275	1,479	129	817	3,420	1,496	2,276	913
ENGINEERING	16	4	9	56	113	15	23	236	95	363	176
PHYSICAL SCIENCES	2	0	64	103	227	7	9	412	145	191	42
ENVIRONMENTAL SCIENCES	0	0	9	4	52	3	0	68	19	20	6
MATHEMATICAL SCIENCES	0	0	6	12	174	0	35	227	115	237	130
LIFE SCIENCES	188	319	18	48	452	63	347	1,435	639	598	237
PSYCHOLOGY	2	20	3	14	109	6	18	172	66	69	7
SOCIAL SCIENCES	3	50	7	38	352	35	385	870	417	798	315
JOHNS HOPKINS UNIVERSITY											
TOTAL, ALL AREAS	173	153	24	35	557	70	207	1,219	445	114	30
ENGINEERING	11	4	0	5	38	3	11	72	13	26	5
PHYSICAL SCIENCES	0	0	11	19	86	3	2	121	25	2	2
ENVIRONMENTAL SCIENCES	0	0	0	0	52	3	0	55	13	0	0
MATHEMATICAL SCIENCES	0	0	1	0	35	0	4	40	20	5	2

TABLE B-9. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE / INSTITUTION NAME / AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
MARYLAND, CONTINUED											
JOHNS HOPKINS UNIVERSITY											
LIFE SCIENCES	161	135	51	31	165	45	165	679	302	67	15
PSYCHOLOGY	11	31	31	01	35	01	71	49	12	11	11
SOCIAL SCIENCES	01	11	41	81	146	16	181	203	60	13	51
UNIFORMED SERV UNIV OF THE HLTH SCIENCES											
TOTAL, ALL AREAS	01	01	01	11	01	01	01	11	10	01	01
LIFE SCIENCES	01	01	01	11	01	01	01	11	10	01	01
UNIVERSITY OF MARYLAND - BALT PROF SCH											
TOTAL, ALL AREAS	19	210	01	5	137	18	356	745	344	456	191
* LIFE SCIENCES	17	178	01	2	88	13	83	381	145	190	91
* SOCIAL SCIENCES	2	32	01	3	49	5	273	364	199	266	100
UNIVERSITY OF MARYLAND - BALTIMORE CNTY											
TOTAL, ALL AREAS	5	01	31	01	64	2	18	92	43	173	84
PHYSICAL SCIENCES	1	01	01	01	11	01	01	12	7	8	4
MATHEMATICAL SCIENCES	01	01	01	01	8	01	01	8	6	30	30
LIFE SCIENCES	3	01	3	01	26	1	3	36	10	25	6
PSYCHOLOGY	1	01	01	01	15	1	11	28	18	19	5
SOCIAL SCIENCES	01	01	01	01	4	01	4	8	2	83	39
UNIVERSITY OF MARYLAND - COLLEGE PARK											
TOTAL, ALL AREAS	14	30	89	224	721	39	236	1,353	654	1,533	608
ENGINEERING	5	01	9	51	75	12	12	164	82	337	171
PHYSICAL SCIENCES	1	01	53	84	130	4	7	279	113	181	36
ENVIRONMENTAL SCIENCES	01	01	9	4	0	01	01	13	6	20	6
MATHEMATICAL SCIENCES	01	01	5	12	131	01	31	179	89	196	98
LIFE SCIENCES	7	6	10	32	173	4	96	328	172	316	125
PSYCHOLOGY	01	17	01	14	59	5	01	95	36	49	1
SOCIAL SCIENCES	1	7	3	27	153	14	90	295	156	436	171
MASSACHUETTS											
TOTAL, ALL AREAS	768	646	829	1,275	3,577	1,522	2,780	11,397	3,819	4,713	1,407
ENGINEERING	57	32	247	591	678	732	683	3,020	1,184	1,959	688
PHYSICAL SCIENCES	100	2	247	227	662	99	78	1,415	373	189	55
ENVIRONMENTAL SCIENCES	01	7	94	150	121	52	78	502	142	16	1
MATHEMATICAL SCIENCES	2	01	51	16	255	34	89	447	144	328	90
LIFE SCIENCES	520	494	87	185	565	191	574	2,616	951	1,189	371
PSYCHOLOGY	63	57	13	32	281	58	179	683	152	83	24
SOCIAL SCIENCES	26	54	90	74	1,015	356	1,099	2,714	873	949	178
BOSTON COLLEGE											
TOTAL, ALL AREAS	5	104	5	15	174	14	124	441	192	105	8
PHYSICAL SCIENCES	3	01	3	7	34	6	11	64	27	7	01
ENVIRONMENTAL SCIENCES	01	01	2	7	14	1	13	37	17	12	01
MATHEMATICAL SCIENCES	01	01	01	01	11	1	01	12	7	5	2
LIFE SCIENCES	2	104	01	1	32	3	7	149	96	01	01
PSYCHOLOGY	01	01	01	01	10	2	35	47	4	1	1
SOCIAL SCIENCES	01	01	01	01	73	1	58	132	41	80	5
BOSTON UNIVERSITY											
TOTAL, ALL AREAS	56	206	21	7	328	116	454	1,188	416	592	181
ENGINEERING	2	01	2	01	13	01	19	36	31	71	25
PHYSICAL SCIENCES	01	01	11	01	70	3	7	91	26	5	2
ENVIRONMENTAL SCIENCES	01	01	01	01	4	01	10	14	6	2	01
MATHEMATICAL SCIENCES	1	01	01	01	21	3	22	47	14	20	5
LIFE SCIENCES	13	198	6	5	65	24	132	443	182	413	127
PSYCHOLOGY	40	2	1	01	54	3	40	140	30	11	9
SOCIAL SCIENCES	01	6	1	2	101	83	224	417	127	70	13
BRANDEIS UNIVERSITY											
TOTAL, ALL AREAS	59	01	10	4	171	8	21	273	74	3	01
PHYSICAL SCIENCES	8	01	9	4	49	1	5	76	24	1	01
MATHEMATICAL SCIENCES	01	01	01	01	29	1	4	34	8	01	01
LIFE SCIENCES	50	01	1	01	30	2	1	84	21	01	01
PSYCHOLOGY	1	01	01	01	16	01	01	17	4	01	01
SOCIAL SCIENCES	01	01	01	01	47	4	11	62	17	2	01
CLARK UNIVERSITY											
TOTAL, ALL AREAS	01	11	8	6	108	26	17	176	45	44	10
PHYSICAL SCIENCES	01	01	3	01	17	1	01	21	3	1	01
ENVIRONMENTAL SCIENCES	01	01	01	01	3	3	01	6	3	1	01
MATHEMATICAL SCIENCES	01	01	01	01	5	1	01	6	3	1	1
LIFE SCIENCES	01	01	01	3	12	1	01	16	5	7	6
PSYCHOLOGY	01	11	1	01	28	4	2	46	8	25	01
SOCIAL SCIENCES	01	01	4	3	43	16	15	81	23	9	3
HARVARD UNIVERSITY											
TOTAL, ALL AREAS	293	144	202	105	820	242	392	2,198	611	110	33
ENGINEERING	1	01	5	1	117	24	12	160	41	01	01
PHYSICAL SCIENCES	37	01	89	40	101	19	10	296	53	01	01
ENVIRONMENTAL SCIENCES	01	7	5	8	17	3	9	49	19	01	01
MATHEMATICAL SCIENCES	01	01	13	01	30	5	10	58	19	01	01
LIFE SCIENCES	250	117	43	32	176	55	100	773	271	90	30
PSYCHOLOGY	5	1	6	6	57	11	33	119	18	6	2
SOCIAL SCIENCES	01	19	41	18	322	125	218	743	190	14	1
MASSACHUSETTS COLLEGE OF PHARMACY											
TOTAL, ALL AREAS	01	01	01	01	15	2	54	71	16	19	8

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
MASSACHUETTS, CONTINUED											
MASSACHUSETTS COLLEGE OF PHARMACY											
PHYSICAL SCIENCES	0	0	0	0	7	1	2	10	2	1	0
* LIFE SCIENCES	0	0	0	0	8	1	47	56	14	13	6
PSYCHOLOGY	0	0	0	0	0	0	0	0	0	5	2
SOCIAL SCIENCES	0	0	0	0	0	0	51	51	0	0	0
MASSACHUSETTS INSTITUTE OF TECHNOLOGY											
TOTAL, ALL AREAS	245	48	394	824	662	880	611	3,664	1,217	0	0
ENGINEERING	53	32	163	504	329	598	404	2,083	787	0	0
PHYSICAL SCIENCES	46	2	87	144	113	53	14	459	121	0	0
ENVIRONMENTAL SCIENCES	0	0	61	118	31	45	24	279	64	0	0
MATHEMATICAL SCIENCES	1	0	22	4	53	21	10	111	33	0	0
LIFE SCIENCES	109	7	24	15	25	63	46	289	79	0	0
PSYCHOLOGY	11	0	2	0	6	6	0	25	6	0	0
SOCIAL SCIENCES	25	7	35	39	105	94	113	418	127	0	0
NORTHEASTERN UNIVERSITY											
TOTAL, ALL AREAS	9	13	7	10	293	13	327	672	279	2,378	680
ENGINEERING	0	0	1	7	38	5	88	139	74	1,071	332
PHYSICAL SCIENCES	0	0	4	1	83	5	7	100	30	108	46
MATHEMATICAL SCIENCES	0	0	0	0	27	0	0	27	5	21	9
LIFE SCIENCES	8	0	1	2	40	1	98	110	38	506	143
PSYCHOLOGY	1	9	1	0	18	0	3	32	6	0	0
SOCIAL SCIENCES	0	4	0	0	87	2	171	264	126	672	150
SMITH COLLEGE											
TOTAL, ALL AREAS	0	13	0	8	24	2	140	187	103	4	2
LIFE SCIENCES	0	0	0	0	3	0	0	3	1	4	2
SOCIAL SCIENCES	0	13	0	8	21	2	140	184	102	0	0
TUFTS UNIVERSITY											
TOTAL, ALL AREAS	48	5	11	22	158	26	116	386	149	118	26
* ENGINEERING	1	0	1	16	29	8	39	94	32	37	5
PHYSICAL SCIENCES	0	0	3	6	30	0	1	40	17	0	0
MATHEMATICAL SCIENCES	0	0	0	0	4	0	0	4	1	3	0
* LIFE SCIENCES	42	1	6	0	19	3	2	73	14	19	7
PSYCHOLOGY	5	4	1	0	41	12	18	81	48	35	10
SOCIAL SCIENCES	0	0	0	0	35	3	56	94	37	24	4
UNIVERSITY OF LOWELL											
TOTAL, ALL AREAS	0	11	1	20	91	2	64	189	72	524	178
ENGINEERING	0	0	0	10	33	0	40	83	35	381	155
PHYSICAL SCIENCES	0	0	1	10	47	2	6	66	14	38	7
MATHEMATICAL SCIENCES	0	0	0	0	3	0	2	5	0	91	10
LIFE SCIENCES	0	11	0	0	8	0	16	35	23	14	6
UNIVERSITY OF MASSACHUSETTS AT AMHERST											
TOTAL, ALL AREAS	39	91	139	227	628	152	393	1,669	514	243	48
ENGINEERING	0	0	70	43	62	61	37	273	99	72	38
PHYSICAL SCIENCES	3	0	36	13	100	8	11	171	46	25	0
ENVIRONMENTAL SCIENCES	0	0	1	4	25	0	21	51	17	1	1
MATHEMATICAL SCIENCES	0	0	16	11	63	2	26	118	42	12	1
LIFE SCIENCES	35	56	6	126	146	35	162	566	199	55	6
PSYCHOLOGY	0	30	1	26	51	20	48	176	28	0	0
SOCIAL SCIENCES	1	5	9	4	181	26	88	314	83	78	21
UNIVERSITY OF MASSACHUSETTS AT WORCESTER											
TOTAL, ALL AREAS	8	0	0	0	0	0	2	10	4	0	0
LIFE SCIENCES	8	0	0	0	0	0	2	10	4	0	0
WOODS HOLE OCEANOGRAPHIC INSTITUTE											
TOTAL, ALL AREAS	0	0	25	13	27	0	1	66	16	0	0
ENVIRONMENTAL SCIENCES	0	0	25	13	27	0	1	66	16	0	0
WORCESTER POLYTECHNIC INSTITUTE											
TOTAL, ALL AREAS	6	0	6	14	78	39	64	207	111	573	233
ENGINEERING	0	0	5	10	57	36	44	152	85	327	133
PHYSICAL SCIENCES	3	0	1	2	11	0	4	21	10	3	0
MATHEMATICAL SCIENCES	0	0	0	1	9	0	15	25	12	175	62
LIFE SCIENCES	3	0	0	1	1	3	1	9	4	68	38
MICHIGAN											
TOTAL, ALL AREAS	373	453	255	521	3,702	894	3,461	9,659	3,176	2,610	926
ENGINEERING	18	18	59	141	383	233	761	1,613	625	764	258
PHYSICAL SCIENCES	28	0	81	34	477	38	41	699	187	170	45
ENVIRONMENTAL SCIENCES	0	9	11	25	107	4	74	230	80	55	27
MATHEMATICAL SCIENCES	1	0	2	1	365	18	194	581	203	212	80
LIFE SCIENCES	255	245	68	222	1,076	324	1,055	3,245	1,066	645	253
PSYCHOLOGY	55	105	12	10	480	111	448	1,221	288	198	28
SOCIAL SCIENCES	16	76	22	88	814	166	888	2,070	727	566	235
CENTRAL MICHIGAN UNIVERSITY											
TOTAL, ALL AREAS	1	0	0	1	113	10	133	258	111	150	41
PHYSICAL SCIENCES	1	0	0	0	9	2	5	17	8	35	11
MATHEMATICAL SCIENCES	0	0	0	1	6	0	18	25	5	37	8
LIFE SCIENCES	0	0	0	0	28	6	2	36	17	16	6
PSYCHOLOGY	0	0	0	0	60	0	90	150	70	40	10
SOCIAL SCIENCES	0	0	0	0	10	2	18	30	11	22	6
MICHIGAN STATE UNIVERSITY											
TOTAL, ALL AREAS	98	95	98	195	1,230	352	836	2,904	880	435	154

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
MICHIGAN, CONTINUED											
MICHIGAN STATE UNIVERSITY											
ENGINEERING	0	0	3	19	84	56	96	258	85	42	6
PHYSICAL SCIENCES	3	3	48	13	157	28	11	260	62	13	2
ENVIRONMENTAL SCIENCES	0	0	0	3	20	0	21	44	20	4	3
MATHEMATICAL SCIENCES	0	0	2	0	134	1	43	180	71	21	5
* LIFE SCIENCES	92	21	42	102	469	193	291	1,210	318	142	36
PSYCHOLOGY	0	52	3	0	63	6	55	179	28	0	0
SOCIAL SCIENCES	3	22	0	58	303	68	319	773	296	213	102
MICHIGAN TECHNOLOGICAL UNIVERSITY											
TOTAL, ALL AREAS	0	17	24	29	89	20	29	208	92	1	0
ENGINEERING	0	8	22	22	44	12	10	118	43	0	0
PHYSICAL SCIENCES	0	0	1	0	15	1	2	19	7	0	0
ENVIRONMENTAL SCIENCES	0	9	1	1	5	2	3	21	12	0	0
MATHEMATICAL SCIENCES	0	0	0	0	8	1	0	9	5	1	0
LIFE SCIENCES	0	0	0	6	17	4	14	41	25	0	0
OAKLAND UNIVERSITY											
TOTAL, ALL AREAS	0	0	2	3	27	2	86	120	59	102	41
ENGINEERING	0	0	1	3	9	2	17	32	17	49	24
PHYSICAL SCIENCES	0	0	0	0	6	0	0	6	1	10	7
MATHEMATICAL SCIENCES	0	0	0	0	1	0	5	6	2	25	8
LIFE SCIENCES	0	0	0	0	4	0	0	4	1	3	2
PSYCHOLOGY	0	0	1	0	7	0	64	72	38	15	0
UNIVERSITY OF DETROIT											
TOTAL, ALL AREAS	2	0	0	0	80	10	108	200	81	301	70
ENGINEERING	0	0	0	0	10	8	29	47	20	96	13
PHYSICAL SCIENCES	1	0	0	0	23	2	0	26	9	35	10
MATHEMATICAL SCIENCES	0	0	0	0	4	0	11	15	3	30	10
LIFE SCIENCES	1	0	0	0	5	0	0	6	2	16	4
PSYCHOLOGY	0	0	0	0	26	0	32	58	27	47	10
SOCIAL SCIENCES	0	0	0	0	12	0	36	48	20	77	23
UNIVERSITY OF MICHIGAN											
TOTAL, ALL AREAS	242	199	112	256	1,511	357	1,401	4,078	1,297	530	166
* ENGINEERING	15	10	30	87	202	150	460	954	373	356	101
PHYSICAL SCIENCES	11	0	23	16	149	4	13	216	45	17	5
ENVIRONMENTAL SCIENCES	0	0	8	21	59	2	36	126	34	0	0
MATHEMATICAL SCIENCES	1	0	0	0	154	12	93	260	75	13	3
LIFE SCIENCES	150	114	21	98	381	83	395	1,242	422	81	30
PSYCHOLOGY	55	26	8	4	189	27	33	342	56	3	2
* SOCIAL SCIENCES	10	49	22	30	377	79	371	938	292	62	29
WAYNE STATE UNIVERSITY											
TOTAL, ALL AREAS	30	127	17	36	450	113	540	1,313	447	773	356
ENGINEERING	3	0	3	10	30	2	130	178	74	185	98
PHYSICAL SCIENCES	12	0	9	5	90	1	9	126	44	33	6
ENVIRONMENTAL SCIENCES	0	0	0	0	8	0	4	12	3	0	0
MATHEMATICAL SCIENCES	0	0	0	0	30	1	18	49	19	53	29
* LIFE SCIENCES	12	97	5	15	140	26	251	566	214	360	165
PSYCHOLOGY	0	27	0	6	89	77	35	234	35	0	0
SOCIAL SCIENCES	3	3	0	0	63	6	93	168	58	142	58
WESTERN MICHIGAN UNIVERSITY											
TOTAL, ALL AREAS	0	15	2	1	202	30	328	578	209	318	98
ENGINEERING	0	0	0	0	4	3	19	26	13	38	16
PHYSICAL SCIENCES	0	0	0	0	28	0	1	29	11	27	4
ENVIRONMENTAL SCIENCES	0	0	2	0	15	0	10	27	11	51	24
MATHEMATICAL SCIENCES	0	0	0	0	28	3	6	37	23	32	17
LIFE SCIENCES	0	13	0	1	32	12	102	160	67	27	10
PSYCHOLOGY	0	0	0	0	46	1	139	186	34	93	6
SOCIAL SCIENCES	0	2	0	0	49	11	51	113	50	50	21
MINNESOTA											
TOTAL, ALL AREAS	260	319	146	406	1,530	414	1,024	4,099	1,365	764	198
ENGINEERING	17	16	65	85	168	39	187	577	211	213	48
PHYSICAL SCIENCES	15	0	29	18	143	15	23	243	60	6	3
ENVIRONMENTAL SCIENCES	0	0	14	2	37	9	9	71	28	19	2
MATHEMATICAL SCIENCES	2	3	7	1	139	1	132	285	69	68	17
LIFE SCIENCES	191	225	21	232	600	204	351	1,824	607	219	82
PSYCHOLOGY	23	38	3	18	120	66	31	299	53	7	0
SOCIAL SCIENCES	12	37	7	50	323	80	291	800	337	232	46
UNIVERSITY OF MINNESOTA											
TOTAL, ALL AREAS	260	319	146	406	1,530	414	1,024	4,099	1,365	764	198
ENGINEERING	17	16	65	85	168	39	187	577	211	213	48
PHYSICAL SCIENCES	15	0	29	18	143	15	23	243	60	6	3
ENVIRONMENTAL SCIENCES	0	0	14	2	37	9	9	71	28	19	2
MATHEMATICAL SCIENCES	2	3	7	1	139	1	132	285	69	68	17
* LIFE SCIENCES	191	225	21	232	600	204	351	1,824	607	219	82
PSYCHOLOGY	23	38	3	18	120	66	31	299	53	7	0
SOCIAL SCIENCES	12	37	7	50	323	80	291	800	337	232	46
MISSISSIPPI											
TOTAL, ALL AREAS	24	99	6	119	584	144	570	1,546	614	424	166
ENGINEERING	0	0	1	43	85	12	46	187	85	43	12
PHYSICAL SCIENCES	2	0	4	13	61	12	2	94	32	1	0
ENVIRONMENTAL SCIENCES	0	0	0	0	21	11	5	37	20	4	1
MATHEMATICAL SCIENCES	0	0	0	7	38	3	33	81	43	37	23

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW						SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT					
MISSISSIPPI, CONTINUED											
LIFE SCIENCES	21	56	1	41	215	85	176	595	202	87	27
PSYCHOLOGY	1	9	0	2	60	11	186	269	87	101	43
SOCIAL SCIENCES	0	34	0	13	104	10	122	283	145	151	60
MISSISSIPPI STATE UNIVERSITY											
TOTAL, ALL AREAS	3	4	2	75	256	91	174	605	247	128	28
ENGINEERING	0	0	1	33	48	10	33	125	61	34	11
PHYSICAL SCIENCES	0	0	1	2	16	4	0	23	9	0	0
ENVIRONMENTAL SCIENCES	0	0	0	0	7	0	1	8	4	0	0
MATHEMATICAL SCIENCES	0	0	0	4	17	2	23	46	25	10	7
LIFE SCIENCES	3	0	0	35	105	70	75	288	93	26	7
PSYCHOLOGY	0	0	0	1	19	0	19	39	24	27	3
SOCIAL SCIENCES	0	4	0	0	44	5	23	76	31	31	0
UNIVERSITY OF MISSISSIPPI											
TOTAL, ALL AREAS	18	32	2	23	217	30	246	568	236	166	65
ENGINEERING	0	0	0	10	37	2	13	62	24	9	1
PHYSICAL SCIENCES	0	0	2	0	22	1	0	25	7	0	0
ENVIRONMENTAL SCIENCES	0	0	0	0	10	8	4	22	13	0	0
MATHEMATICAL SCIENCES	0	0	0	0	14	1	0	15	5	2	1
LIFE SCIENCES	18	32	0	1	75	7	57	190	70	22	5
PSYCHOLOGY	0	0	0	1	30	11	109	151	61	74	40
SOCIAL SCIENCES	0	0	0	11	29	0	63	103	56	59	18
UNIVERSITY OF SOUTHERN MISSISSIPPI											
TOTAL, ALL AREAS	3	63	2	21	111	23	150	373	131	130	73
PHYSICAL SCIENCES	2	0	1	11	23	7	2	46	16	1	0
ENVIRONMENTAL SCIENCES	0	0	0	0	4	3	0	7	3	4	1
MATHEMATICAL SCIENCES	0	0	0	3	7	0	10	20	13	25	15
LIFE SCIENCES	0	24	.	5	35	8	44	117	39	39	15
PSYCHOLOGY	1	9	0	0	11	0	58	79	2	0	0
SOCIAL SCIENCES	0	30	0	2	31	5	36	104	58	61	42
MISSOURI											
TOTAL, ALL AREAS	262	239	112	297	1,453	272	1,258	3,893	1,450	1,849	807
ENGINEERING	21	31	42	78	217	71	269	729	277	468	171
PHYSICAL SCIENCES	6	1	25	31	202	12	24	301	79	76	35
ENVIRONMENTAL SCIENCES	0	0	18	32	54	15	15	134	42	23	4
MATHEMATICAL SCIENCES	2	0	1	3	152	1	33	192	62	140	41
LIFE SCIENCES	170	108	16	72	365	95	302	1,128	406	373	170
PSYCHOLOGY	41	26	4	13	116	36	99	335	117	147	31
SOCIAL SCIENCES	22	73	6	68	347	42	516	1,074	467	622	355
KANSAS CITY COLL OF OSTEOPATHIC MEDICINE											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
KIRKSVILLE COLLEGE OF OSTEOPATHIC MED											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
ST LOUIS UNIVERSITY											
TOTAL, ALL AREAS	27	71	14	30	117	35	157	451	197	261	84
PHYSICAL SCIENCES	0	0	0	2	9	1	4	16	6	3	1
ENVIRONMENTAL SCIENCES	0	0	11	20	4	2	2	39	7	12	4
MATHEMATICAL SCIENCES	0	0	0	0	8	0	1	9	3	14	2
LIFE SCIENCES	14	64	3	0	74	26	104	285	130	98	43
PSYCHOLOGY	13	3	0	8	6	6	26	62	33	54	0
SOCIAL SCIENCES	0	4	0	0	16	0	20	40	18	80	34
UNIVERSITY OF MISSOURI - COLUMBIA											
TOTAL, ALL AREAS	51	94	20	143	618	138	477	1,541	512	411	81
ENGINEERING	5	7	6	32	63	27	128	268	88	173	35
PHYSICAL SCIENCES	0	1	2	7	49	5	11	75	21	0	0
ENVIRONMENTAL SCIENCES	0	0	6	3	30	9	9	57	24	8	0
MATHEMATICAL SCIENCES	0	0	0	2	51	0	5	58	12	17	5
LIFE SCIENCES	37	29	4	65	204	61	159	559	179	102	24
PSYCHOLOGY	8	0	2	4	49	16	22	101	19	0	0
SOCIAL SCIENCES	1	57	0	30	172	20	143	423	169	111	17
UNIVERSITY OF MISSOURI - KANSAS CITY											
TOTAL, ALL AREAS	0	19	2	23	73	4	78	199	145	476	328
PHYSICAL SCIENCES	0	0	1	0	25	1	2	29	16	22	9
MATHEMATICAL SCIENCES	0	0	0	0	9	0	2	11	9	11	7
LIFE SCIENCES	0	14	0	7	21	0	18	60	51	127	69
PSYCHOLOGY	0	1	0	0	9	0	18	28	26	60	31
SOCIAL SCIENCES	0	4	1	16	9	3	38	71	43	256	212
UNIVERSITY OF MISSOURI - ROLLA											
TOTAL, ALL AREAS	0	24	22	46	208	37	65	402	169	256	121
* ENGINEERING	0	24	12	30	105	31	47	249	124	202	101
PHYSICAL SCIENCES	0	0	9	12	43	2	2	68	18	3	0
ENVIRONMENTAL SCIENCES	0	0	0	3	9	3	4	19	6	3	0
MATHEMATICAL SCIENCES	0	0	1	1	51	1	12	66	21	48	20
UNIVERSITY OF MISSOURI - ST LOUIS											
TOTAL, ALL AREAS	0	0	2	15	49	1	29	96	40	189	102
PHYSICAL SCIENCES	0	0	1	0	17	1	3	22	3	41	22
MATHEMATICAL SCIENCES	0	0	0	0	4	0	1	5	3	13	4
LIFE SCIENCES	0	0	1	0	8	0	6	15	7	46	34

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
MISSOURI, CONTINUED											
UNIVERSITY OF MISSOURI - ST LOUIS											
PSYCHOLOGY	0	0	0	0	14	0	14	28	9	15	0
SOCIAL SCIENCES	0	0	0	15	6	0	5	26	18	74	42
WASHINGTON UNIVERSITY											
TOTAL, ALL AREAS	184	31	52	40	388	57	452	1,204	387	256	91
ENGINEERING	16	0	24	16	49	13	94	212	65	93	35
PHYSICAL SCIENCES	6	0	12	10	59	2	2	91	15	7	3
ENVIRONMENTAL SCIENCES	0	0	1	6	11	1	0	19	5	0	0
MATHEMATICAL SCIENCES	2	0	0	0	29	0	12	43	14	37	3
LIFE SCIENCES	119	1	8	0	58	8	15	209	39	0	0
PSYCHOLOGY	20	22	2	1	38	14	19	116	30	18	0
SOCIAL SCIENCES	21	8	5	7	144	19	310	514	219	101	50
MONTANA											
TOTAL, ALL AREAS	13	3	16	111	327	54	163	687	251	85	13
ENGINEERING	1	0	2	11	44	2	6	66	31	15	5
PHYSICAL SCIENCES	2	0	9	8	44	0	6	69	25	4	0
ENVIRONMENTAL SCIENCES	0	0	1	2	22	9	27	61	23	4	0
MATHEMATICAL SCIENCES	0	0	0	0	39	5	2	46	21	0	0
LIFE SCIENCES	5	2	4	72	119	25	68	295	90	34	3
PSYCHOLOGY	5	0	0	18	26	13	16	78	29	3	1
SOCIAL SCIENCES	0	1	0	0	33	0	38	72	32	25	4
MONTANA STATE UNIVERSITY											
TOTAL, ALL AREAS	4	2	11	47	174	25	47	310	123	35	5
ENGINEERING	1	0	2	11	44	2	6	66	31	15	5
PHYSICAL SCIENCES	0	0	9	8	35	0	3	55	24	4	0
ENVIRONMENTAL SCIENCES	0	0	0	2	7	2	4	15	7	2	0
MATHEMATICAL SCIENCES	0	0	0	0	23	3	2	28	15	0	0
LIFE SCIENCES	3	2	0	26	51	10	29	129	38	14	0
PSYCHOLOGY	0	0	0	0	4	0	1	5	2	0	0
SOCIAL SCIENCES	0	0	0	0	10	0	2	12	6	0	0
UNIVERSITY OF MONTANA											
TOTAL, ALL AREAS	9	1	5	64	153	29	116	377	128	50	8
PHYSICAL SCIENCES	2	0	0	0	9	0	3	14	1	0	0
ENVIRONMENTAL SCIENCES	0	0	1	0	15	7	23	46	16	2	0
MATHEMATICAL SCIENCES	0	0	0	0	16	2	0	18	6	0	0
LIFE SCIENCES	2	0	4	46	68	7	39	166	52	20	3
PSYCHOLOGY	5	0	0	18	22	13	15	73	27	3	1
SOCIAL SCIENCES	0	1	0	0	23	0	36	60	26	25	4
NEBRASKA											
TOTAL, ALL AREAS	35	57	26	83	604	160	361	1,326	434	747	240
ENGINEERING	2	0	1	12	33	24	31	103	33	106	28
PHYSICAL SCIENCES	10	0	14	11	96	10	6	147	36	5	1
ENVIRONMENTAL SCIENCES	0	0	1	1	10	2	9	23	13	7	0
MATHEMATICAL SCIENCES	0	0	0	3	56	6	10	75	30	89	39
LIFE SCIENCES	13	22	8	30	260	89	136	558	207	245	95
PSYCHOLOGY	3	23	0	8	38	21	23	116	28	95	27
SOCIAL SCIENCES	7	12	2	18	111	8	146	304	87	200	50
CREIGHTON UNIVERSITY											
TOTAL, ALL AREAS	1	0	0	0	34	0	11	46	18	7	1
PHYSICAL SCIENCES	0	0	0	0	9	0	3	12	6	1	1
LIFE SCIENCES	1	0	0	0	25	0	8	34	12	6	0
UNIVERSITY OF NEBRASKA - LINCOLN											
TOTAL, ALL AREAS	29	25	25	83	450	146	180	938	291	337	79
ENGINEERING	2	0	1	12	33	24	31	103	33	106	28
PHYSICAL SCIENCES	10	0	14	11	87	10	3	135	30	4	0
ENVIRONMENTAL SCIENCES	0	0	1	1	10	2	9	23	13	7	0
MATHEMATICAL SCIENCES	0	0	0	3	56	6	8	73	30	50	25
LIFE SCIENCES	7	3	7	30	173	77	77	374	132	86	20
PSYCHOLOGY	3	20	0	8	15	19	13	78	17	0	0
SOCIAL SCIENCES	7	2	2	18	76	8	39	152	36	84	6
UNIVERSITY OF NEBRASKA - OMAHA											
TOTAL, ALL AREAS	0	13	0	0	78	4	126	221	75	276	98
MATHEMATICAL SCIENCES	0	0	0	0	0	0	2	2	0	39	14
LIFE SCIENCES	0	0	0	0	20	2	7	29	13	26	13
PSYCHOLOGY	0	3	0	0	23	2	10	38	11	95	27
SOCIAL SCIENCES	0	10	0	0	35	0	107	152	51	116	44
UNIVERSITY OF NEBRASKA MEDICAL CENTER											
TOTAL, ALL AREAS	5	19	1	0	42	10	44	121	50	127	62
LIFE SCIENCES	5	19	1	0	42	10	44	121	50	127	62
NEVADA											
TOTAL, ALL AREAS	2	13	20	46	117	9	119	326	111	109	34
ENGINEERING	0	1	0	4	12	0	13	30	17	10	5
PHYSICAL SCIENCES	2	0	7	4	22	2	9	46	11	1	0
ENVIRONMENTAL SCIENCES	0	5	3	17	13	2	28	68	22	6	0
MATHEMATICAL SCIENCES	0	0	0	0	3	0	1	4	3	2	2
LIFE SCIENCES	0	1	2	14	43	4	32	96	30	26	5
PSYCHOLOGY	0	4	8	0	13	0	12	37	7	34	11
SOCIAL SCIENCES	0	2	0	7	11	1	24	45	21	30	11
DESERT RESEARCH INSTITUTE											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
NEVADA, CONTINUED											
UNIVERSITY OF NEVADA AT RENO											
** TOTAL, ALL AREAS	2	13	20	46	117	9	119	326	111	109	34
ENGINEERING	0	1	0	4	12	0	13	30	17	10	5
PHYSICAL SCIENCES	2	0	7	4	22	2	9	46	11	1	0
ENVIRONMENTAL SCIENCES	0	5	3	17	13	2	28	68	22	6	0
MATHEMATICAL SCIENCES	0	0	0	0	3	0	1	4	3	2	2
** LIFE SCIENCES	0	1	2	14	43	4	32	96	30	26	5
PSYCHOLOGY	0	4	8	0	13	0	12	37	7	34	11
* SOCIAL SCIENCES	0	2	0	7	11	1	24	45	21	30	11
NEW HAMPSHIRE											
TOTAL, ALL AREAS	18	1	21	19	277	74	120	530	122	136	14
ENGINEERING	0	0	6	16	40	19	30	111	21	21	4
PHYSICAL SCIENCES	2	0	7	1	64	6	7	87	24	15	3
ENVIRONMENTAL SCIENCES	0	0	1	2	19	2	0	24	6	6	0
MATHEMATICAL SCIENCES	0	0	0	0	30	1	0	31	16	2	0
LIFE SCIENCES	11	0	6	0	52	40	46	155	27	63	1
PSYCHOLOGY	0	1	1	0	46	6	2	56	11	0	0
SOCIAL SCIENCES	5	0	0	0	26	0	35	66	17	29	6
DARTMOUTH COLLEGE											
TOTAL, ALL AREAS	13	1	21	12	106	25	32	210	59	8	5
ENGINEERING	0	0	6	9	12	13	22	62	19	4	4
PHYSICAL SCIENCES	2	0	7	1	29	3	3	45	8	0	0
ENVIRONMENTAL SCIENCES	0	0	1	2	12	1	0	16	6	2	0
MATHEMATICAL SCIENCES	0	0	0	0	15	0	0	15	7	0	0
LIFE SCIENCES	11	0	6	0	27	7	6	57	16	2	1
PSYCHOLOGY	0	1	1	0	11	1	1	15	3	0	0
UNIVERSITY OF NEW HAMPSHIRE											
TOTAL, ALL AREAS	5	0	0	7	171	49	88	320	63	128	9
* ENGINEERING	0	0	0	7	28	6	8	49	2	17	0
* PHYSICAL SCIENCES	0	0	0	0	35	3	4	42	16	15	3
ENVIRONMENTAL SCIENCES	0	0	0	0	7	1	0	8	0	4	0
* MATHEMATICAL SCIENCES	0	0	0	0	15	1	0	16	9	2	0
* LIFE SCIENCES	0	0	0	0	25	33	40	98	11	61	0
* PSYCHOLOGY	0	0	0	0	35	5	1	41	8	0	0
* SOCIAL SCIENCES	5	0	0	0	26	0	35	66	17	29	6
NEW JERSEY											
TOTAL, ALL AREAS	144	165	233	223	1,520	321	884	3,490	1,312	5,305	2,286
ENGINEERING	0	19	64	71	208	124	150	636	300	1,660	750
PHYSICAL SCIENCES	20	11	86	49	242	35	20	463	134	381	155
ENVIRONMENTAL SCIENCES	0	0	19	22	55	19	51	166	68	143	32
MATHEMATICAL SCIENCES	14	1	35	14	153	10	60	287	98	735	336
LIFE SCIENCES	96	88	16	38	309	92	237	876	296	956	462
PSYCHOLOGY	4	32	5	1	151	4	77	274	119	276	131
SOCIAL SCIENCES	10	14	8	28	402	37	289	788	297	1,154	420
COLLEGE OF MED AND DENT OF NEW JERSEY											
TOTAL, ALL AREAS	0	0	0	0	26	2	42	70	15	9	4
LIFE SCIENCES	0	0	0	0	26	2	42	70	15	9	4
FAIRLEIGH DICKINSON UNIVERSITY											
TOTAL, ALL AREAS	0	0	0	2	72	4	137	215	149	1,089	824
ENGINEERING	0	0	0	0	3	0	15	18	13	196	152
PHYSICAL SCIENCES	0	0	0	0	10	0	3	13	6	83	65
MATHEMATICAL SCIENCES	0	0	0	0	8	0	12	20	18	223	176
LIFE SCIENCES	0	0	0	0	19	0	30	49	25	198	147
PSYCHOLOGY	0	0	0	1	30	0	53	84	64	185	122
SOCIAL SCIENCES	0	0	0	1	2	4	24	31	23	204	162
NEW JERSEY INSTITUTE OF TECHNOLOGY											
TOTAL, ALL AREAS	0	0	0	0	74	0	35	109	58	659	154
ENGINEERING	0	0	0	0	58	0	28	86	47	523	128
PHYSICAL SCIENCES	0	0	0	0	5	0	0	5	4	10	1
ENVIRONMENTAL SCIENCES	0	0	0	0	0	0	0	0	0	35	8
MATHEMATICAL SCIENCES	0	0	0	0	7	0	3	10	4	84	15
SOCIAL SCIENCES	0	0	0	0	4	0	4	8	3	7	2
NEW JERSEY SCH OF OSTEOPATHIC MEDICINE											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
PRINCETON UNIVERSITY											
TOTAL, ALL AREAS	56	20	174	106	458	115	77	1,006	293	0	0
ENGINEERING	0	5	37	47	59	60	0	208	74	0	0
PHYSICAL SCIENCES	6	7	62	42	72	17	0	206	52	0	0
ENVIRONMENTAL SCIENCES	0	0	18	3	10	8	0	39	5	0	0
MATHEMATICAL SCIENCES	0	0	34	7	21	8	0	70	11	0	0
LIFE SCIENCES	41	5	12	0	14	3	0	75	19	0	0
PSYCHOLOGY	2	0	3	0	27	0	0	32	11	0	0
SOCIAL SCIENCES	7	3	8	7	255	19	77	376	121	0	0
RUTGERS THE STATE UNIVERSITY											
** TOTAL, ALL AREAS	88	100	53	96	759	159	466	1,721	611	2,528	768
* ENGINEERING	0	8	25	16	38	45	30	162	71	322	142
* PHYSICAL SCIENCES	14	0	20	0	112	11	5	162	52	157	38
* ENVIRONMENTAL SCIENCES	0	0	1	17	43	8	36	105	49	89	11
* MATHEMATICAL SCIENCES	14	1	1	7	102	0	31	156	52	330	93

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
NEW JERSEY, CONTINUED											
RUTGERS THE STATE UNIVERSITY											
** LIFE SCIENCES	55	48	41	36	229	77	156	605	193	596	219
PSYCHOLOGY	21	32	21	0	96	4	24	158	44	91	9
* SOCIAL SCIENCES	31	11	0	20	141	14	184	373	150	943	256
SETON HALL UNIVERSITY											
TOTAL, ALL AREAS	0	35	1	2	45	15	12	110	51	215	109
PHYSICAL SCIENCES	0	0	1	0	18	5	3	27	7	56	14
MATHEMATICAL SCIENCES	0	0	0	0	6	0	0	6	0	6	3
LIFE SCIENCES	0	35	0	2	21	10	9	77	44	153	92
STEVENS INSTITUTE OF TECHNOLOGY											
TOTAL, ALL AREAS	0	10	5	17	86	26	115	259	135	805	427
ENGINEERING	0	6	2	8	50	19	77	162	95	619	328
PHYSICAL SCIENCES	0	4	3	7	25	2	9	50	13	75	37
ENVIRONMENTAL SCIENCES	0	0	0	2	2	3	15	22	14	19	13
MATHEMATICAL SCIENCES	0	0	0	0	9	2	14	25	13	92	49
NEW MEXICO											
TOTAL, ALL AREAS	63	27	33	146	523	195	452	1,439	448	620	134
ENGINEERING	0	7	3	34	102	37	81	264	84	172	19
PHYSICAL SCIENCES	15	0	8	19	97	17	26	182	43	49	9
ENVIRONMENTAL SCIENCES	0	3	4	4	38	47	37	133	36	12	0
MATHEMATICAL SCIENCES	0	3	5	0	71	3	30	112	51	57	25
LIFE SCIENCES	32	5	8	27	96	58	60	286	83	102	11
PSYCHOLOGY	16	4	2	7	28	5	17	79	23	7	0
SOCIAL SCIENCES	0	5	3	55	91	28	201	383	128	221	70
NEW MEXICO INSTITUTE OF MINING AND TECH											
TOTAL, ALL AREAS	0	7	9	9	31	42	24	122	34	1	0
ENGINEERING	0	4	1	3	2	10	4	24	3	0	0
PHYSICAL SCIENCES	0	0	5	2	10	6	4	27	8	0	0
ENVIRONMENTAL SCIENCES	0	3	3	4	9	25	15	59	20	1	0
MATHEMATICAL SCIENCES	0	0	0	0	10	1	1	12	3	0	0
NEW MEXICO STATE UNIVERSITY											
TOTAL, ALL AREAS	10	4	10	77	204	93	93	491	172	166	33
ENGINEERING	0	0	2	25	42	19	24	112	45	46	4
PHYSICAL SCIENCES	5	0	3	8	40	2	9	67	15	21	1
MATHEMATICAL SCIENCES	0	0	1	0	36	0	13	50	20	17	11
LIFE SCIENCES	5	0	4	14	49	54	21	147	42	51	6
PSYCHOLOGY	0	4	0	1	10	0	7	22	7	1	0
SOCIAL SCIENCES	0	0	0	29	27	18	19	93	43	30	11
UNIVERSITY OF NEW MEXICO											
TOTAL, ALL AREAS	53	16	14	60	288	60	335	826	242	453	101
ENGINEERING	0	3	0	6	58	8	53	128	36	126	15
PHYSICAL SCIENCES	10	0	0	9	47	9	13	88	20	28	8
ENVIRONMENTAL SCIENCES	0	0	1	0	29	22	22	74	16	11	0
MATHEMATICAL SCIENCES	0	3	4	0	25	2	16	50	28	40	14
LIFE SCIENCES	27	5	4	13	47	4	39	139	41	51	5
PSYCHOLOGY	16	0	2	6	18	5	10	57	16	6	0
SOCIAL SCIENCES	0	5	3	26	64	10	182	290	85	191	59
NEW YORK											
TOTAL, ALL AREAS	1,208	725	985	1,221	7,429	1,417	5,811	18,796	6,161	13,296	4,398
ENGINEERING	29	25	239	440	941	378	740	2,792	1,226	2,998	990
PHYSICAL SCIENCES	152	5	375	188	1,126	82	103	2,031	514	381	127
ENVIRONMENTAL SCIENCES	0	3	114	89	242	39	91	578	212	195	83
MATHEMATICAL SCIENCES	15	3	76	44	721	55	218	1,132	393	1,430	646
LIFE SCIENCES	851	410	111	205	1,646	296	949	4,468	1,413	3,060	1,155
PSYCHOLOGY	129	128	22	102	964	215	1,400	2,960	816	2,010	440
SOCIAL SCIENCES	32	151	48	153	1,789	352	2,310	4,835	1,587	3,222	957
ADELPHI UNIVERSITY											
TOTAL, ALL AREAS	28	59	0	6	120	24	54	291	119	317	154
PHYSICAL SCIENCES	0	0	0	0	23	0	0	23	10	24	17
ENVIRONMENTAL SCIENCES	0	0	0	0	2	0	6	8	6	17	9
MATHEMATICAL SCIENCES	0	0	0	0	16	0	0	16	6	37	13
LIFE SCIENCES	0	55	0	0	25	2	20	102	52	170	108
PSYCHOLOGY	28	4	0	6	47	22	26	133	38	57	0
SOCIAL SCIENCES	0	0	0	0	7	0	2	9	7	12	7
ALBANY MEDICAL COLLEGE											
TOTAL, ALL AREAS	18	0	0	0	17	1	12	48	13	1	1
LIFE SCIENCES	18	0	0	0	17	1	12	48	13	1	1
ALFRED UNIVERSITY											
TOTAL, ALL AREAS	0	0	2	3	20	4	19	48	16	6	3
ENGINEERING	0	0	2	3	15	4	3	27	8	3	1
PSYCHOLOGY	0	0	0	0	5	0	16	21	8	3	2
CLARKSON COLLEGE OF TECHNOLOGY											
TOTAL, ALL AREAS	3	0	20	25	95	13	17	173	74	48	2
ENGINEERING	0	0	12	21	53	10	11	107	48	31	1
PHYSICAL SCIENCES	3	0	8	2	31	3	4	51	18	12	0
MATHEMATICAL SCIENCES	0	0	0	2	11	0	2	15	8	5	1
COLUMBIA UNIV MAIN DIVISION											
TOTAL, ALL AREAS	133	144	184	117	603	130	775	2,086	638	603	196

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE / INSTITUTION NAME / AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
NEW YORK, CONTINUED											
COLUMBIA UNIV MAIN DIVISION											
* ENGINEERING	61	15	40	34	109	35	119	358	144	298	82
PHYSICAL SCIENCES	38	0	75	31	105	5	11	255	64	0	0
ENVIRONMENTAL SCIENCES	0	0	45	37	17	8	3	110	26	0	0
MATHEMATICAL SCIENCES	1	1	9	0	42	0	0	53	18	17	6
LIFE SCIENCES	85	84	2	3	76	23	150	423	224	146	93
PSYCHOLOGY	3	1	3	2	25	1	1	36	9	0	0
SOCIAL SCIENCES	0	43	10	10	229	58	501	851	153	142	15
COLUMBIA UNIV TEACHERS COLLEGE											
TOTAL, ALL AREAS	0	3	0	23	108	0	517	651	153	750	144
LIFE SCIENCES	0	3	0	0	23	0	81	107	43	81	15
PSYCHOLOGY	0	0	0	23	64	0	305	392	88	538	111
SOCIAL SCIENCES	0	0	0	0	21	0	131	152	22	131	18
CORNELL UNIVERSITY											
TOTAL, ALL AREAS	118	34	261	282	1,248	345	367	2,655	962	14	7
ENGINEERING	21	5	57	77	213	89	96	539	276	3	2
PHYSICAL SCIENCES	34	0	108	40	147	15	4	348	71	0	0
ENVIRONMENTAL SCIENCES	0	1	17	9	31	10	5	73	36	0	0
MATHEMATICAL SCIENCES	0	0	15	0	102	9	4	130	38	0	0
LIFE SCIENCES	78	3	53	92	406	139	104	875	277	11	5
PSYCHOLOGY	2	20	3	4	45	9	3	86	30	0	0
SOCIAL SCIENCES	2	5	8	60	304	74	151	604	234	0	0
CUNY GRADUATE SCHOOL AND UNIV CENTER											
TOTAL, ALL AREAS	76	36	15	53	635	74	647	1,536	276	71	32
ENGINEERING	0	3	7	10	19	2	33	74	23	3	3
PHYSICAL SCIENCES	1	2	2	7	150	6	20	188	41	1	1
MATHEMATICAL SCIENCES	0	0	0	0	30	0	21	51	9	1	0
LIFE SCIENCES	34	15	2	13	150	10	112	336	47	9	0
PSYCHOLOGY	26	13	3	2	171	23	237	475	87	10	0
SOCIAL SCIENCES	15	3	1	21	115	33	224	412	69	47	28
CUNY MOUNT SINAI SCHOOL OF MEDICINE											
TOTAL, ALL AREAS	23	6	0	0	30	6	9	74	17	0	0
LIFE SCIENCES	23	6	0	0	30	6	9	74	17	0	0
FORDHAM UNIVERSITY											
TOTAL, ALL AREAS	0	15	0	0	116	20	49	200	57	493	185
* PHYSICAL SCIENCES	0	0	0	0	22	0	0	22	7	45	22
* MATHEMATICAL SCIENCES	0	0	0	0	3	1	0	4	2	8	3
* LIFE SCIENCES	0	0	0	0	29	6	0	35	16	66	36
* PSYCHOLOGY	0	0	0	0	30	8	35	73	14	102	33
* SOCIAL SCIENCES	0	15	0	0	32	5	14	66	18	272	91
HOFSTRA UNIVERSITY											
TOTAL, ALL AREAS	0	0	1	0	39	78	196	314	85	74	34
MATHEMATICAL SCIENCES	0	0	0	0	0	0	0	0	0	6	2
LIFE SCIENCES	0	0	1	0	20	1	33	55	27	55	32
PSYCHOLOGY	0	0	0	0	19	77	163	259	58	13	0
LONG ISLAND UNIVERSITY											
TOTAL, ALL AREAS	0	1	12	15	151	0	179	358	260	1,251	722
ENGINEERING	0	0	0	0	2	0	0	2	2	52	29
PHYSICAL SCIENCES	0	0	2	0	11	0	0	13	6	15	10
ENVIRONMENTAL SCIENCES	0	0	0	0	4	0	2	6	6	82	64
MATHEMATICAL SCIENCES	0	0	0	0	4	0	0	4	4	19	17
LIFE SCIENCES	0	1	3	15	49	0	81	149	116	562	262
PSYCHOLOGY	0	0	2	0	47	0	28	77	40	100	55
SOCIAL SCIENCES	0	0	5	0	34	0	68	107	86	421	285
NEW SCHOOL FOR SOCIAL RESEARCH											
TOTAL, ALL AREAS	0	0	0	5	122	41	152	370	194	844	202
PSYCHOLOGY	0	0	0	32	74	11	86	203	117	452	143
SOCIAL SCIENCES	0	0	0	23	48	30	66	167	77	392	59
NEW YORK COLLEGE OF OSTEOPATHIC MEDICINE											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
NEW YORK MEDICAL COLLEGE											
TOTAL, ALL AREAS	3	0	0	0	37	4	17	61	13	75	70
LIFE SCIENCES	3	0	0	0	37	4	17	61	13	75	70
NEW YORK UNIVERSITY											
TOTAL, ALL AREAS	88	205	54	63	440	75	705	1,630	411	2,609	684
PHYSICAL SCIENCES	3	0	21	11	80	3	19	137	28	58	19
ENVIRONMENTAL SCIENCES	0	0	5	10	12	3	10	40	18	10	4
MATHEMATICAL SCIENCES	0	0	21	19	26	11	29	106	32	235	138
* LIFE SCIENCES	78	138	0	12	101	24	78	431	86	1,073	250
PSYCHOLOGY	4	56	2	5	52	17	196	332	82	275	16
SOCIAL SCIENCES	3	11	5	6	169	17	373	584	165	958	257
POLYTECHNIC INSTITUTE OF NEW YORK											
TOTAL, ALL AREAS	10	0	4	48	92	15	185	354	121	1,844	405
ENGINEERING	4	0	2	39	46	13	164	268	102	1,348	281
PHYSICAL SCIENCES	6	0	2	7	36	2	0	53	11	99	27
ENVIRONMENTAL SCIENCES	0	0	0	0	0	0	0	0	0	1	0
MATHEMATICAL SCIENCES	0	0	0	2	10	0	21	33	8	388	95

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE / INSTITUTION NAME / AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW						SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT					
NEW YORK, CONTINUED											
POLYTECHNIC INSTITUTE OF NEW YORK											
SOCIAL SCIENCES	0	0	0	0	0	0	0	0	0	8	2
RENSSELAER POLYTECHNIC INSTITUTE											
TOTAL, ALL AREAS	17	3	70	184	350	166	255	1,045	487	309	104
* ENGINEERING	7	0	54	155	182	135	163	696	357	216	78
PHYSICAL SCIENCES	7	0	8	13	69	13	12	122	26	27	7
ENVIRONMENTAL SCIENCES	0	0	0	2	8	3	15	28	7	4	0
MATHEMATICAL SCIENCES	0	0	5	11	53	4	14	87	40	12	2
LIFE SCIENCES	3	0	1	3	18	1	4	30	8	0	0
PSYCHOLOGY	0	3	2	0	6	9	18	38	25	9	6
SOCIAL SCIENCES	0	0	0	0	14	1	29	44	24	41	11
ROCKEFELLER UNIVERSITY											
TOTAL, ALL AREAS	27	0	14	0	57	0	0	98	18	9	2
PHYSICAL SCIENCES	0	0	1	0	6	0	0	7	1	0	0
MATHEMATICAL SCIENCES	0	0	0	0	2	0	0	2	1	0	0
LIFE SCIENCES	25	0	12	0	47	0	0	84	16	9	2
PSYCHOLOGY	2	0	1	0	2	0	0	5	0	0	0
ST BONAVENTURE UNIVERSITY											
TOTAL, ALL AREAS	0	0	0	0	16	2	8	26	6	5	3
PHYSICAL SCIENCES	0	0	0	0	2	0	0	2	0	2	0
LIFE SCIENCES	0	0	0	0	8	2	8	18	3	1	1
PSYCHOLOGY	0	0	0	0	6	0	0	6	3	2	2
ST JOHN'S UNIVERSITY											
TOTAL, ALL AREAS	0	0	2	0	113	2	138	255	109	582	205
PHYSICAL SCIENCES	0	0	0	0	7	0	2	9	6	26	9
MATHEMATICAL SCIENCES	0	0	0	0	5	0	1	6	4	27	11
LIFE SCIENCES	0	0	2	0	59	2	14	77	43	256	103
PSYCHOLOGY	0	0	0	0	16	0	112	128	48	181	34
SOCIAL SCIENCES	0	0	0	0	26	0	9	35	8	92	48
SUNY - ALBANY											
TOTAL, ALL AREAS	20	6	38	14	315	5	68	466	144	168	36
PHYSICAL SCIENCES	6	1	9	1	51	0	8	76	25	6	1
ENVIRONMENTAL SCIENCES	0	0	18	6	33	0	3	60	19	5	1
MATHEMATICAL SCIENCES	0	0	0	0	35	0	11	46	20	39	9
LIFE SCIENCES	11	0	6	1	44	0	5	67	19	0	0
PSYCHOLOGY	1	2	0	1	44	1	1	50	0	23	0
SOCIAL SCIENCES	2	3	5	5	108	4	40	167	61	95	25
SUNY - BINGHAMTON											
TOTAL, ALL AREAS	7	18	9	7	324	20	139	524	194	359	89
PHYSICAL SCIENCES	5	0	3	1	32	3	0	44	16	17	1
ENVIRONMENTAL SCIENCES	0	0	2	1	18	3	6	30	10	20	1
MATHEMATICAL SCIENCES	0	2	0	0	68	6	51	127	57	118	70
LIFE SCIENCES	1	10	2	1	27	0	10	51	22	34	7
PSYCHOLOGY	1	1	1	0	48	0	3	54	12	23	1
SOCIAL SCIENCES	0	5	1	4	131	8	69	218	77	147	9
SUNY - BUFFALO											
TOTAL, ALL AREAS	212	34	71	82	619	82	286	1,386	402	608	140
ENGINEERING	2	2	33	46	106	21	54	264	92	173	41
PHYSICAL SCIENCES	21	0	17	11	100	4	8	161	32	10	3
ENVIRONMENTAL SCIENCES	0	0	4	4	16	3	4	31	7	6	1
MATHEMATICAL SCIENCES	3	0	10	0	71	9	4	97	26	27	5
LIFE SCIENCES	163	26	4	5	130	17	83	428	132	187	56
PSYCHOLOGY	22	2	0	15	59	3	16	117	31	59	0
SOCIAL SCIENCES	1	4	3	1	137	25	117	288	82	146	34
SUNY - COLL OF ENV SCIENCE AND FORESTRY											
TOTAL, ALL AREAS	6	0	13	29	67	16	100	231	117	95	10
ENGINEERING	0	0	0	2	10	9	10	31	14	13	4
PHYSICAL SCIENCES	4	0	9	0	5	1	1	20	6	5	0
ENVIRONMENTAL SCIENCES	0	0	1	1	14	2	34	52	37	18	2
LIFE SCIENCES	2	0	3	26	38	4	55	128	60	59	4
SUNY - DOWNSTATE MEDICAL CENTER											
TOTAL, ALL AREAS	23	2	0	2	48	6	2	83	17	2	0
LIFE SCIENCES	23	2	0	2	48	6	2	83	17	2	0
SUNY - STONY BROOK											
TOTAL, ALL AREAS	78	97	147	67	766	70	250	1,475	492	653	190
ENGINEERING	0	0	19	14	78	9	23	143	65	112	21
PHYSICAL SCIENCES	6	2	71	9	112	6	2	208	63	17	0
ENVIRONMENTAL SCIENCES	0	2	22	19	62	6	0	111	32	21	1
MATHEMATICAL SCIENCES	7	0	15	0	104	5	10	141	52	162	81
LIFE SCIENCES	62	29	14	10	98	15	22	250	49	92	33
PSYCHOLOGY	1	16	3	0	119	11	4	154	42	77	12
SOCIAL SCIENCES	2	48	3	15	193	18	189	468	189	172	42
SUNY - UPSTATE MEDICAL CENTER											
TOTAL, ALL AREAS	11	0	0	0	26	2	0	39	5	22	2
LIFE SCIENCES	11	0	0	0	26	2	0	39	5	22	2
SUNY STATE COLLEGE OF OPTOMETRY											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	1	0
LIFE SCIENCES	0	0	0	0	0	0	0	0	0	1	0

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1970

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
NEW YORK, CONTINUED											
SYRACUSE UNIVERSITY											
TOTAL, ALL AREAS	32	57	29	47	486	137	429	1,217	485	1,040	563
ENGINEERING	4	0	7	31	78	37	44	201	72	612	383
PHYSICAL SCIENCES	5	0	9	2	54	5	9	84	24	0	0
ENVIRONMENTAL SCIENCES	0	0	0	0	23	1	2	26	8	10	0
MATHEMATICAL SCIENCES	0	0	1	2	74	1	22	100	39	200	100
LIFE SCIENCES	8	33	6	1	47	12	12	119	30	78	55
PSYCHOLOGY	8	10	1	5	57	12	42	135	30	0	0
SOCIAL SCIENCES	7	14	5	6	153	69	298	552	282	140	25
UNION COLLEGE											
TOTAL, ALL AREAS	0	0	0	0	8	2	37	47	16	223	132
ENGINEERING	0	0	0	0	4	1	4	9	1	77	34
PHYSICAL SCIENCES	0	0	0	0	0	0	0	0	0	4	2
MATHEMATICAL SCIENCES	0	0	0	0	0	1	20	21	10	115	88
LIFE SCIENCES	0	0	0	0	4	0	13	17	5	27	8
UNIVERSITY OF ROCHESTER											
TOTAL, ALL AREAS	153	5	35	92	340	70	85	780	183	125	52
* ENGINEERING	4	0	6	8	26	13	16	73	22	57	30
PHYSICAL SCIENCES	13	0	26	53	79	16	9	196	58	12	7
ENVIRONMENTAL SCIENCES	0	0	0	0	2	0	1	3	0	1	0
MATHEMATICAL SCIENCES	4	0	0	6	58	8	5	81	15	6	2
LIFE SCIENCES	113	5	0	16	79	12	22	247	44	43	12
PSYCHOLOGY	19	0	1	7	28	11	3	69	11	0	0
SOCIAL SCIENCES	0	0	2	2	68	10	29	111	33	6	1
YESHIVA UNIVERSITY											
TOTAL, ALL AREAS	122	0	4	7	21	7	114	275	77	95	29
* PHYSICAL SCIENCES	0	0	4	0	4	0	4	12	1	1	1
* MATHEMATICAL SCIENCES	0	0	0	2	7	0	3	12	4	8	3
LIFE SCIENCES	110	0	0	5	10	7	2	134	29	0	0
* PSYCHOLOGY	12	0	0	0	0	0	105	117	43	86	25
NORTH CAROLINA											
TOTAL, ALL AREAS	447	423	166	396	2,081	522	1,157	5,192	1,863	1,136	352
ENGINEERING	27	42	25	111	247	99	151	698	268	170	34
PHYSICAL SCIENCES	39	0	47	55	260	4	11	416	123	51	20
ENVIRONMENTAL SCIENCES	0	0	22	16	81	8	52	179	73	13	1
MATHEMATICAL SCIENCES	14	1	19	14	186	34	61	329	128	74	31
LIFE SCIENCES	333	262	42	134	757	235	451	2,214	781	260	70
PSYCHOLOGY	9	83	6	14	172	51	92	427	161	251	31
SOCIAL SCIENCES	25	35	5	52	378	95	339	929	329	317	169
DUKE UNIVERSITY											
TOTAL, ALL AREAS	186	47	42	59	278	70	140	822	244	69	1
ENGINEERING	17	0	3	11	28	10	3	72	22	6	0
PHYSICAL SCIENCES	12	0	8	25	49	2	1	97	28	0	0
ENVIRONMENTAL SCIENCES	0	0	2	0	9	0	10	21	4	0	0
MATHEMATICAL SCIENCES	2	0	5	3	23	2	7	42	17	4	0
LIFE SCIENCES	140	9	19	18	113	22	70	389	111	15	1
PSYCHOLOGY	2	30	3	0	13	2	14	64	9	28	0
SOCIAL SCIENCES	13	8	2	4	43	32	35	137	53	16	0
EAST CAROLINA UNIVERSITY											
TOTAL, ALL AREAS	0	23	0	1	126	19	64	233	106	118	31
PHYSICAL SCIENCES	0	0	0	0	15	0	2	17	7	7	3
ENVIRONMENTAL SCIENCES	0	0	0	0	12	0	3	15	6	3	1
MATHEMATICAL SCIENCES	0	0	0	0	13	0	0	13	6	12	5
LIFE SCIENCES	0	4	0	1	32	16	23	76	37	29	3
PSYCHOLOGY	0	19	0	0	26	0	21	66	33	26	7
SOCIAL SCIENCES	0	0	0	0	28	3	15	46	17	41	12
NORTH CAROLINA STATE UNIV AT RALEIGH											
TOTAL, ALL AREAS	36	11	39	150	779	288	382	1,685	556	416	91
ENGINEERING	3	0	21	51	193	76	123	467	168	151	32
PHYSICAL SCIENCES	1	0	4	10	75	2	2	94	26	12	1
ENVIRONMENTAL SCIENCES	0	0	5	14	21	7	26	73	25	10	0
MATHEMATICAL SCIENCES	1	0	2	2	71	28	25	129	48	15	7
LIFE SCIENCES	30	0	6	55	352	136	128	707	210	72	20
PSYCHOLOGY	1	4	1	1	22	10	28	67	28	7	6
SOCIAL SCIENCES	0	7	0	17	45	29	50	148	51	85	25
UNIV OF NORTH CAROLINA AT CHAPEL HILL											
TOTAL, ALL AREAS	201	330	85	185	741	112	484	2,138	796	221	118
ENGINEERING	7	42	1	49	26	9	25	159	78	13	2
PHYSICAL SCIENCES	26	0	35	20	111	0	1	193	49	3	0
ENVIRONMENTAL SCIENCES	0	0	15	2	39	1	13	70	38	0	0
MATHEMATICAL SCIENCES	11	1	12	9	68	4	26	131	48	19	5
LIFE SCIENCES	142	238	17	62	198	52	186	895	364	43	9
PSYCHOLOGY	3	29	2	13	53	16	0	116	32	24	0
SOCIAL SCIENCES	12	20	3	30	246	30	233	574	185	119	102
UNIV OF NORTH CAROLINA AT GREENSBORO											
TOTAL, ALL AREAS	3	11	0	1	80	27	74	196	120	277	106
PHYSICAL SCIENCES	0	0	0	0	4	0	5	9	9	27	15
MATHEMATICAL SCIENCES	0	0	0	0	6	0	3	9	6	23	14
LIFE SCIENCES	0	11	0	0	11	5	34	61	36	77	34
PSYCHOLOGY	3	0	0	0	47	21	26	97	50	97	17
SOCIAL SCIENCES	0	0	0	1	12	1	6	20	19	53	26

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
NORTH CAROLINA, CONTINUED											
WAKE FOREST UNIVERSITY											
TOTAL, ALL AREAS	21	1	0	0	77	6	13	118	43	35	5
PHYSICAL SCIENCES	0	0	0	0	6	0	0	6	4	2	1
MATHEMATICAL SCIENCES	0	0	0	0	5	0	0	5	3	1	0
LIFE SCIENCES	21	0	0	0	51	4	10	86	23	24	3
PSYCHOLOGY	0	1	0	0	11	2	3	17	9	5	1
SOCIAL SCIENCES	0	0	0	0	4	0	0	4	4	3	0
NORTH DAKOTA											
TOTAL, ALL AREAS	13	26	12	68	296	79	139	633	230	225	53
ENGINEERING	0	2	1	5	21	5	16	50	23	85	25
PHYSICAL SCIENCES	1	3	6	6	45	8	5	74	18	9	0
ENVIRONMENTAL SCIENCES	0	5	2	6	8	9	4	34	10	9	1
MATHEMATICAL SCIENCES	0	0	0	0	13	2	6	21	12	3	0
LIFE SCIENCES	12	9	3	43	123	40	65	295	100	78	17
PSYCHOLOGY	0	6	0	0	21	11	1	39	10	9	0
SOCIAL SCIENCES	0	1	0	8	65	4	42	120	57	32	10
NORTH DAKOTA STATE UNIVERSITY											
TOTAL, ALL AREAS	0	0	3	50	182	45	106	386	154	159	43
ENGINEERING	0	0	0	3	16	4	12	35	14	73	23
PHYSICAL SCIENCES	0	0	2	3	24	7	5	41	12	3	0
MATHEMATICAL SCIENCES	0	0	0	0	8	2	5	15	7	2	0
LIFE SCIENCES	0	0	1	36	87	30	51	205	77	64	15
PSYCHOLOGY	0	0	0	0	3	0	1	4	1	0	0
SOCIAL SCIENCES	0	0	0	8	44	2	32	86	43	17	5
UNIVERSITY OF NORTH DAKOTA											
TOTAL, ALL AREAS	13	26	9	18	114	34	33	247	76	66	10
ENGINEERING	0	2	1	2	5	1	4	15	9	12	2
PHYSICAL SCIENCES	1	3	4	3	21	1	0	33	6	6	0
ENVIRONMENTAL SCIENCES	0	5	2	6	8	9	4	34	10	9	1
MATHEMATICAL SCIENCES	0	0	0	0	5	0	1	6	5	1	0
LIFE SCIENCES	12	9	2	7	36	10	14	90	23	14	2
PSYCHOLOGY	0	6	0	0	18	11	0	35	9	9	0
SOCIAL SCIENCES	0	1	0	0	21	2	10	34	14	15	5
OHIO											
TOTAL, ALL AREAS	393	559	244	885	4,940	673	2,732	10,426	4,008	4,891	1,783
ENGINEERING	42	9	68	459	511	224	339	1,652	636	1,522	397
PHYSICAL SCIENCES	46	0	98	115	759	68	89	1,175	341	227	86
ENVIRONMENTAL SCIENCES	0	4	10	34	213	38	82	381	158	96	19
MATHEMATICAL SCIENCES	4	1	8	12	498	26	137	686	235	408	188
LIFE SCIENCES	255	375	44	96	1,174	176	665	2,785	1,103	1,073	483
PSYCHOLOGY	43	47	3	48	582	44	319	1,086	357	277	44
SOCIAL SCIENCES	3	123	13	121	1,203	97	1,101	2,661	1,178	1,288	566
AIR FORCE INSTITUTE OF TECHNOLOGY											
TOTAL, ALL AREAS	0	0	0	274	0	0	0	274	114	0	0
* ENGINEERING	0	0	0	193	0	0	0	193	75	0	0
* PHYSICAL SCIENCES	0	0	0	81	0	0	0	81	39	0	0
BOWLING GREEN STATE UNIVERSITY											
TOTAL, ALL AREAS	6	7	1	27	356	14	197	608	279	190	89
PHYSICAL SCIENCES	0	0	0	0	24	0	1	25	18	4	0
ENVIRONMENTAL SCIENCES	0	0	0	1	14	1	8	24	14	18	0
MATHEMATICAL SCIENCES	0	0	0	1	82	3	77	163	69	92	58
LIFE SCIENCES	0	4	0	4	45	2	8	63	30	19	5
PSYCHOLOGY	5	0	0	17	69	7	0	98	30	0	0
SOCIAL SCIENCES	1	3	1	4	122	1	103	235	118	57	26
CASE WESTERN RESERVE UNIVERSITY											
TOTAL, ALL AREAS	144	208	66	88	285	133	365	1,289	499	366	72
ENGINEERING	34	4	22	46	60	56	83	305	103	150	15
PHYSICAL SCIENCES	7	0	18	6	34	18	1	84	28	16	3
ENVIRONMENTAL SCIENCES	0	1	3	1	3	2	2	12	2	3	3
MATHEMATICAL SCIENCES	0	0	0	0	9	1	0	10	2	6	2
LIFE SCIENCES	103	123	23	11	44	30	101	435	172	74	36
PSYCHOLOGY	0	11	0	0	9	0	23	43	11	28	0
SOCIAL SCIENCES	0	69	0	24	126	26	155	400	181	89	13
CLEVELAND STATE UNIVERSITY											
TOTAL, ALL AREAS	0	21	3	0	97	23	81	225	100	683	200
ENGINEERING	0	0	3	0	12	2	5	22	7	260	64
PHYSICAL SCIENCES	0	0	0	0	21	11	23	55	11	61	10
MATHEMATICAL SCIENCES	0	0	0	0	2	0	0	2	0	12	6
LIFE SCIENCES	0	8	0	0	20	10	34	72	44	69	21
PSYCHOLOGY	0	13	0	0	32	0	10	55	27	2	0
SOCIAL SCIENCES	0	0	0	0	10	0	9	19	11	279	99
KENT STATE UNIVERSITY											
TOTAL, ALL AREAS	14	39	9	21	334	9	173	599	239	267	162
PHYSICAL SCIENCES	2	0	8	1	68	5	8	92	18	12	12
ENVIRONMENTAL SCIENCES	0	0	0	2	27	3	4	36	8	9	1
MATHEMATICAL SCIENCES	0	0	1	0	26	0	3	30	10	53	41
LIFE SCIENCES	0	37	0	5	58	1	65	166	94	118	78
PSYCHOLOGY	12	2	0	10	63	0	28	115	24	0	0
SOCIAL SCIENCES	0	0	0	3	92	0	65	160	85	75	30
MEDICAL COLLEGE OF OHIO AT TOLEDO											
TOTAL, ALL AREAS	0	0	0	0	21	0	2	23	9	2	1

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTI-TU-TIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUP-PORTED STU-DENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
OHIO, CONTINUED											
MEDICAL COLLEGE OF OHIO AT TOLEDO											
LIFE SCIENCES	0	0	0	0	21	0	2	23	9	2	1
MIAMI UNIVERSITY											
TOTAL, ALL AREAS	1	5	4	13	325	10	37	395	176	44	18
ENGINEERING	0	0	0	0	8	3	0	11	5	4	1
PHYSICAL SCIENCES	0	0	0	4	52	1	1	58	26	0	0
ENVIRONMENTAL SCIENCES	0	3	2	3	47	2	19	76	39	7	2
MATHEMATICAL SCIENCES	0	0	0	0	25	0	0	25	12	0	0
LIFE SCIENCES	0	0	1	4	77	1	4	87	30	0	0
PSYCHOLOGY	0	1	1	2	55	0	5	64	24	9	2
SOCIAL SCIENCES	1	1	0	0	61	3	8	74	40	24	13
OHIO STATE UNIVERSITY											
TOTAL, ALL AREAS	159	163	114	321	1,692	301	989	3,739	1,354	883	373
ENGINEERING	4	3	30	139	156	103	136	571	241	241	64
PHYSICAL SCIENCES	33	0	47	17	236	5	11	349	75	5	0
ENVIRONMENTAL SCIENCES	0	0	3	24	39	15	20	101	46	13	1
MATHEMATICAL SCIENCES	4	1	7	11	254	15	24	316	96	52	18
LIFE SCIENCES	99	99	15	42	504	95	285	1,139	412	186	72
PSYCHOLOGY	18	10	2	12	115	18	56	231	73	55	3
SOCIAL SCIENCES	1	50	10	76	388	50	457	1,032	411	331	215
OHIO UNIVERSITY											
TOTAL, ALL AREAS	9	0	10	11	381	43	134	588	216	130	31
ENGINEERING	0	0	2	7	34	10	39	92	25	41	18
PHYSICAL SCIENCES	2	0	3	1	60	9	4	79	13	4	2
ENVIRONMENTAL SCIENCES	0	0	2	0	15	14	14	45	20	8	0
MATHEMATICAL SCIENCES	0	0	0	0	18	0	16	34	8	1	0
* LIFE SCIENCES	1	0	3	0	85	1	5	95	36	15	1
PSYCHOLOGY	6	0	0	2	73	0	0	81	21	23	0
SOCIAL SCIENCES	0	0	0	1	96	9	56	162	93	38	10
UNION OF EXPERIMENTNG COLLEGES & UNIVS											
TOTAL, ALL AREAS	0	0	0	0	0	0	352	352	117	0	0
* ENGINEERING	0	0	0	0	0	0	1	1	0	0	0
* ENVIRONMENTAL SCIENCES	0	0	0	0	0	0	2	2	0	0	0
* MATHEMATICAL SCIENCES	0	0	0	0	0	0	5	5	1	0	0
* LIFE SCIENCES	0	0	0	0	0	0	58	58	20	0	0
* PSYCHOLOGY	0	0	0	0	0	0	112	112	38	0	0
* SOCIAL SCIENCES	0	0	0	0	0	0	174	174	58	0	0
UNIVERSITY OF AKRON											
TOTAL, ALL AREAS	2	3	10	2	283	20	97	417	192	478	187
ENGINEERING	0	0	0	1	34	3	7	45	19	129	38
PHYSICAL SCIENCES	0	0	10	1	73	14	17	115	51	74	45
ENVIRONMENTAL SCIENCES	0	0	0	0	16	0	4	20	10	20	8
MATHEMATICAL SCIENCES	0	0	0	0	10	0	0	10	8	38	6
LIFE SCIENCES	0	3	0	0	41	0	32	76	31	69	27
PSYCHOLOGY	2	0	0	0	38	0	12	52	24	20	5
SOCIAL SCIENCES	0	0	0	0	71	3	25	99	49	128	58
UNIVERSITY OF CINCINNATI											
TOTAL, ALL AREAS	58	113	21	64	794	96	223	1,369	508	894	341
* ENGINEERING	4	2	8	23	159	40	60	296	127	271	65
PHYSICAL SCIENCES	2	0	10	3	121	5	21	162	33	12	1
ENVIRONMENTAL SCIENCES	0	0	0	2	26	0	4	32	7	7	0
MATHEMATICAL SCIENCES	0	0	0	0	36	1	1	38	9	5	0
* LIFE SCIENCES	52	101	1	18	200	35	55	462	182	447	226
* PSYCHOLOGY	0	10	0	5	59	14	49	137	48	32	17
SOCIAL SCIENCES	0	0	2	13	193	1	33	242	102	120	32
UNIVERSITY OF DAYTON											
TOTAL, ALL AREAS	0	0	2	46	60	9	26	143	54	407	128
ENGINEERING	0	0	1	46	1	3	1	52	15	230	61
PHYSICAL SCIENCES	0	0	0	0	6	0	0	6	2	0	0
MATHEMATICAL SCIENCES	0	0	0	0	5	6	3	14	6	42	23
LIFE SCIENCES	0	0	1	0	15	0	5	21	6	9	0
PSYCHOLOGY	0	0	0	0	25	0	13	38	17	50	7
SOCIAL SCIENCES	0	0	0	0	8	0	4	12	8	76	37
UNIVERSITY OF TOLEDO											
TOTAL, ALL AREAS	0	0	4	6	201	15	16	242	97	285	95
ENGINEERING	0	0	2	4	42	4	4	56	16	157	58
PHYSICAL SCIENCES	0	0	2	1	37	0	1	41	18	6	2
ENVIRONMENTAL SCIENCES	0	0	0	1	14	1	1	17	7	2	1
MATHEMATICAL SCIENCES	0	0	0	0	15	0	0	15	6	5	1
LIFE SCIENCES	0	0	0	0	28	1	0	29	17	28	4
PSYCHOLOGY	0	0	0	0	37	5	9	51	17	43	5
SOCIAL SCIENCES	0	0	0	0	28	4	1	33	16	44	24
WRIGHT STATE UNIVERSITY											
TOTAL, ALL AREAS	0	0	0	12	111	0	40	163	54	262	86
* ENGINEERING	0	0	0	0	5	0	3	8	3	39	13
* PHYSICAL SCIENCES	0	0	0	0	27	0	1	28	9	33	11
* ENVIRONMENTAL SCIENCES	0	0	0	0	12	0	4	16	5	9	3
* MATHEMATICAL SCIENCES	0	0	0	0	16	0	8	24	8	102	33
* LIFE SCIENCES	0	0	0	12	36	0	11	59	20	37	12
* PSYCHOLOGY	0	0	0	0	7	0	2	9	3	15	5
* SOCIAL SCIENCES	0	0	0	0	8	0	11	19	6	27	9

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
OKLAHOMA											
TOTAL, ALL AREAS	30	130	30	203	875	217	1,178	2,663	933	1,094	324
ENGINEERING	1	0	8	70	190	69	491	829	314	404	122
PHYSICAL SCIENCES	4	0	12	16	74	3	37	146	32	34	7
ENVIRONMENTAL SCIENCES	0	16	3	18	45	13	106	201	81	88	10
MATHEMATICAL SCIENCES	0	0	0	1	79	14	38	132	35	11	3
LIFE SCIENCES	21	67	3	58	236	90	244	719	247	214	80
PSYCHOLOGY	2	39	2	6	58	5	34	146	54	16	8
SOCIAL SCIENCES	2	8	2	34	193	23	228	490	170	327	94
OKLAHOMA COLL OF OSTEO MED & SURGERY											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
OKLAHOMA STATE UNIVERSITY											
TOTAL, ALL AREAS	10	35	12	111	565	143	354	1,230	394	222	70
ENGINEERING	0	0	1	32	117	28	173	351	127	57	23
PHYSICAL SCIENCES	1	0	8	14	52	3	2	80	18	4	0
ENVIRONMENTAL SCIENCES	0	0	0	1	12	6	10	29	17	9	0
MATHEMATICAL SCIENCES	0	0	0	1	67	13	23	104	26	5	2
LIFE SCIENCES	7	2	3	38	153	67	58	328	93	36	6
PSYCHOLOGY	0	28	0	3	31	3	16	81	25	0	0
SOCIAL SCIENCES	2	5	0	22	133	23	72	257	88	111	39
UNIVERSITY OF OKLAHOMA HEALTH SCI CENTER											
TOTAL, ALL AREAS	16	87	0	23	52	29	184	391	158	160	72
ENVIRONMENTAL SCIENCES	0	12	0	6	0	4	32	54	21	15	2
LIFE SCIENCES	14	65	0	17	50	23	148	317	131	145	70
PSYCHOLOGY	2	10	0	0	2	2	4	20	6	0	0
UNIVERSITY OF OKLAHOMA - NORMAN											
TOTAL, ALL AREAS	4	1	18	67	223	19	595	927	345	626	142
ENGINEERING	1	0	7	36	62	19	297	422	171	308	73
PHYSICAL SCIENCES	3	0	4	2	22	0	35	66	14	30	7
ENVIRONMENTAL SCIENCES	0	0	3	11	26	0	47	87	37	41	4
MATHEMATICAL SCIENCES	0	0	0	0	6	0	14	20	6	3	1
LIFE SCIENCES	0	0	0	3	33	0	38	74	23	33	4
PSYCHOLOGY	0	1	2	3	18	0	9	33	15	8	0
SOCIAL SCIENCES	0	0	2	12	56	0	155	225	79	203	93
UNIVERSITY OF TULSA											
TOTAL, ALL AREAS	0	7	0	2	35	26	45	115	36	86	40
ENGINEERING	0	0	0	2	11	22	21	56	16	39	26
ENVIRONMENTAL SCIENCES	0	4	0	0	7	3	17	31	6	23	4
MATHEMATICAL SCIENCES	0	0	0	0	6	1	1	8	3	3	0
PSYCHOLOGY	0	0	0	0	7	0	5	12	8	8	8
SOCIAL SCIENCES	0	3	0	0	4	0	1	8	3	13	2
OREGON											
TOTAL, ALL AREAS	136	69	137	279	921	239	925	2,706	1,031	556	267
ENGINEERING	0	0	8	47	82	43	119	299	123	91	33
PHYSICAL SCIENCES	29	7	35	10	138	14	39	272	84	11	6
ENVIRONMENTAL SCIENCES	0	0	54	60	66	15	59	254	81	22	11
MATHEMATICAL SCIENCES	0	3	1	11	103	8	101	227	64	75	39
LIFE SCIENCES	89	11	34	114	347	104	219	918	328	116	26
PSYCHOLOGY	18	17	4	2	29	11	25	106	38	21	11
SOCIAL SCIENCES	0	31	1	35	156	44	363	630	313	220	141
OREGON GRADUATE CENTER											
TOTAL, ALL AREAS	3	0	2	9	16	7	0	37	10	5	3
ENGINEERING	0	0	0	4	2	2	0	8	1	2	1
PHYSICAL SCIENCES	3	0	0	3	11	3	0	20	6	2	1
ENVIRONMENTAL SCIENCES	0	0	2	2	3	2	0	9	3	1	1
OREGON STATE UNIVERSITY											
TOTAL, ALL AREAS	30	20	93	230	533	157	436	1,499	518	188	43
ENGINEERING	0	0	8	40	69	37	114	268	102	53	10
PHYSICAL SCIENCES	1	6	10	3	68	3	4	95	30	0	0
ENVIRONMENTAL SCIENCES	0	0	47	55	16	11	35	164	41	6	1
MATHEMATICAL SCIENCES	0	3	1	8	48	0	35	95	22	39	18
LIFE SCIENCES	29	11	27	112	293	92	175	739	277	69	9
SOCIAL SCIENCES	0	0	0	12	39	14	73	138	46	21	5
PORTLAND STATE UNIVERSITY											
TOTAL, ALL AREAS	0	24	0	32	103	24	224	407	303	266	216
ENGINEERING	0	0	0	3	11	4	5	23	20	36	22
PHYSICAL SCIENCES	0	0	0	0	10	0	1	11	6	5	4
ENVIRONMENTAL SCIENCES	0	0	0	2	29	1	3	35	23	9	9
MATHEMATICAL SCIENCES	0	0	0	3	7	1	0	11	11	23	20
LIFE SCIENCES	0	0	0	2	16	0	7	25	12	14	14
PSYCHOLOGY	0	2	0	0	5	0	16	23	16	19	11
SOCIAL SCIENCES	0	22	0	22	25	18	192	279	215	160	136
UNIVERSITY OF OREGON											
TOTAL, ALL AREAS	71	25	41	8	261	38	258	702	187	85	4
PHYSICAL SCIENCES	25	1	25	4	49	8	34	146	42	4	1
ENVIRONMENTAL SCIENCES	0	0	5	1	18	1	21	46	14	6	0
MATHEMATICAL SCIENCES	0	0	0	0	48	7	66	121	31	13	1
LIFE SCIENCES	36	0	7	0	30	1	30	104	27	23	2
PSYCHOLOGY	10	15	3	2	24	9	9	72	21	0	0
SOCIAL SCIENCES	0	9	1	1	92	12	98	213	52	39	0

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
OREGON, CONTINUED											
UNIVERSITY OF OREGON HEALTH SCI CENTER											
TOTAL, ALL AREAS	32	0	1	0	8	13	7	61	13	12	1
LIFE SCIENCES	24	0	0	0	8	11	7	50	12	10	1
PSYCHOLOGY	8	0	1	0	0	2	0	11	1	2	0
PENNSYLVANIA											
TOTAL, ALL AREAS	638	556	421	762	3,286	785	2,233	8,681	2,911	5,054	1,486
ENGINEERING	53	33	163	327	495	314	370	1,755	683	1,971	540
PHYSICAL SCIENCES	75	1	122	142	561	52	60	1,013	256	177	48
ENVIRONMENTAL SCIENCES	4	22	44	54	132	22	68	346	113	84	10
MATHEMATICAL SCIENCES	3	0	29	45	365	40	62	544	169	527	179
LIFE SCIENCES	435	309	26	136	755	132	508	2,301	770	937	297
PSYCHOLOGY	55	74	11	11	230	27	344	752	226	266	33
SOCIAL SCIENCES	13	117	26	47	748	198	821	1,970	694	1,092	379
BRYN MAWR COLLEGE											
TOTAL, ALL AREAS	2	0	1	4	41	4	22	74	26	114	26
PHYSICAL SCIENCES	0	0	0	0	10	0	2	12	4	5	1
ENVIRONMENTAL SCIENCES	0	0	0	0	5	0	1	6	2	2	0
LIFE SCIENCES	0	0	1	0	8	0	0	9	4	6	1
PSYCHOLOGY	2	0	0	2	9	2	14	29	12	74	17
SOCIAL SCIENCES	0	0	0	2	9	2	5	18	4	27	7
CARNEGIE-MELLON UNIVERSITY											
TOTAL, ALL AREAS	19	24	96	129	230	93	76	667	241	219	96
ENGINEERING	16	1	54	60	101	67	18	317	142	183	89
PHYSICAL SCIENCES	3	0	11	25	31	4	4	78	23	15	3
MATHEMATICAL SCIENCES	0	0	23	42	36	15	4	120	30	11	3
LIFE SCIENCES	0	0	0	0	14	0	0	14	3	0	0
PSYCHOLOGY	0	6	6	0	3	0	0	15	1	8	0
SOCIAL SCIENCES	0	17	2	2	45	7	50	123	42	2	1
DREXEL UNIVERSITY											
TOTAL, ALL AREAS	3	15	9	61	113	20	106	327	115	523	152
ENGINEERING	0	15	8	29	46	16	74	188	68	435	108
PHYSICAL SCIENCES	0	0	1	10	39	1	5	56	18	22	6
MATHEMATICAL SCIENCES	1	0	0	0	11	1	0	13	5	12	4
LIFE SCIENCES	2	0	0	22	17	2	27	70	24	54	34
DUQUESNE UNIVERSITY											
TOTAL, ALL AREAS	0	0	4	0	68	1	128	201	71	181	29
PHYSICAL SCIENCES	0	0	3	0	14	0	1	18	7	34	8
MATHEMATICAL SCIENCES	0	0	0	0	2	0	0	2	0	7	2
LIFE SCIENCES	0	0	1	0	22	1	11	35	18	29	5
PSYCHOLOGY	0	0	0	0	23	0	107	130	36	78	0
SOCIAL SCIENCES	0	0	0	0	7	0	9	16	10	33	14
HAHNEMANN MEDICAL COLLEGE AND HOSPITAL											
TOTAL, ALL AREAS	5	21	0	6	50	17	188	287	103	5	0
LIFE SCIENCES	5	0	0	6	48	13	41	113	30	5	0
PSYCHOLOGY	0	21	0	0	2	4	147	174	73	0	0
LEHIGH UNIVERSITY											
TOTAL, ALL AREAS	4	1	29	29	231	70	51	415	144	237	56
ENGINEERING	0	0	17	22	85	55	11	190	77	158	41
PHYSICAL SCIENCES	4	1	10	5	67	5	4	96	28	14	6
ENVIRONMENTAL SCIENCES	0	0	2	1	15	1	7	26	8	0	0
MATHEMATICAL SCIENCES	0	0	0	0	30	2	5	37	11	15	5
LIFE SCIENCES	0	0	0	1	11	1	7	20	4	2	0
PSYCHOLOGY	0	0	0	0	8	0	1	9	3	4	0
SOCIAL SCIENCES	0	0	0	0	15	6	16	37	13	44	4
PENNSYLVANIA STATE UNIVERSITY											
TOTAL, ALL AREAS	111	157	134	308	896	228	515	2,349	868	907	182
ENGINEERING	6	17	41	129	120	97	91	501	191	239	44
PHYSICAL SCIENCES	30	0	34	43	111	18	13	249	66	19	8
ENVIRONMENTAL SCIENCES	4	22	34	43	73	8	30	214	78	49	6
MATHEMATICAL SCIENCES	0	0	3	1	103	3	27	137	52	38	10
LIFE SCIENCES	63	49	10	73	213	61	119	588	228	171	22
PSYCHOLOGY	0	28	0	6	71	6	31	142	31	60	4
SOCIAL SCIENCES	8	41	12	13	205	35	204	518	222	331	88
PHILA COLLEGE OF OSTEOPATHIC MEDICINE											
TOTAL, ALL AREAS	0	6	0	0	26	0	0	32	17	0	0
LIFE SCIENCES	0	6	0	0	26	0	0	32	17	0	0
PHILADELPHIA COLL OF PHARMACY AND SCI											
TOTAL, ALL AREAS	0	0	0	0	24	2	4	30	5	10	1
PHYSICAL SCIENCES	0	0	0	0	8	1	2	11	1	0	0
LIFE SCIENCES	0	0	0	0	16	1	2	19	4	10	1
TEMPLE UNIVERSITY											
TOTAL, ALL AREAS	66	40	8	3	391	36	292	836	277	478	247
PHYSICAL SCIENCES	1	0	4	0	52	8	3	68	8	9	1
* ENVIRONMENTAL SCIENCES	0	0	1	0	14	0	0	15	6	0	0
* MATHEMATICAL SCIENCES	0	0	0	0	44	6	8	58	23	67	26
* LIFE SCIENCES	63	3	2	0	91	4	64	227	66	26	23
PSYCHOLOGY	0	0	0	0	47	10	36	93	28	0	0
* SOCIAL SCIENCES	2	37	1	3	143	8	181	375	146	376	197
THE MEDICAL COLLEGE OF PENNSYLVANIA											
TOTAL, ALL AREAS	0	0	0	0	18	0	58	76	8	58	10

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
PENNSYLVANIA, CONTINUED											
THE MEDICAL COLLEGE OF PENNSYLVANIA											
LIFE SCIENCES	0	0	0	0	18	0	58	76	8	58	10
THOMAS JEFFERSON UNIVERSITY											
TOTAL, ALL AREAS	8	9	0	0	42	2	10	71	16	13	0
LIFE SCIENCES	8	9	0	0	42	2	10	71	16	13	0
UNIVERSITY OF PENNSYLVANIA											
TOTAL, ALL AREAS	286	17	80	114	429	191	507	1,624	425	443	90
ENGINEERING	23	0	32	52	52	28	89	276	95	256	38
PHYSICAL SCIENCES	23	0	23	44	89	8	9	196	39	12	0
ENVIRONMENTAL SCIENCES	0	0	4	5	14	12	29	64	17	13	3
MATHEMATICAL SCIENCES	0	0	1	0	35	7	2	45	13	10	0
LIFE SCIENCES	230	4	6	0	52	21	63	376	72	15	7
PSYCHOLOGY	10	0	5	0	22	4	0	41	11	0	0
SOCIAL SCIENCES	0	13	9	13	165	111	315	626	178	137	42
UNIVERSITY OF PITTSBURGH											
TOTAL, ALL AREAS	132	266	60	108	654	118	234	1,572	543	1,364	389
ENGINEERING	8	0	11	35	84	48	71	257	96	538	147
PHYSICAL SCIENCES	14	0	36	15	116	7	17	205	54	22	8
ENVIRONMENTAL SCIENCES	0	0	3	5	11	1	1	21	2	20	1
MATHEMATICAL SCIENCES	2	0	2	2	94	6	7	113	27	137	37
LIFE SCIENCES	64	238	6	34	164	26	95	627	267	509	180
PSYCHOLOGY	41	19	0	3	32	1	8	104	24	17	0
SOCIAL SCIENCES	3	9	2	14	153	29	35	245	73	121	16
VILLANOVA UNIVERSITY											
TOTAL, ALL AREAS	2	0	0	0	73	3	42	120	52	502	208
ENGINEERING	0	0	0	0	7	3	16	26	14	162	73
PHYSICAL SCIENCES	0	0	0	0	24	0	0	24	8	25	7
MATHEMATICAL SCIENCES	0	0	0	0	10	0	9	19	8	230	92
LIFE SCIENCES	0	0	0	0	13	0	11	24	9	39	14
PSYCHOLOGY	2	0	0	0	13	0	0	15	7	25	12
SOCIAL SCIENCES	0	0	0	0	6	0	6	12	6	21	10
RHODE ISLAND											
TOTAL, ALL AREAS	33	37	164	190	564	93	272	1,353	391	400	66
ENGINEERING	0	0	48	63	58	10	35	214	67	144	24
PHYSICAL SCIENCES	13	6	39	20	95	12	13	198	55	8	2
ENVIRONMENTAL SCIENCES	0	0	50	32	35	15	13	145	46	58	6
MATHEMATICAL SCIENCES	1	7	16	9	65	8	19	125	25	47	8
LIFE SCIENCES	6	11	6	28	155	12	104	322	92	83	16
PSYCHOLOGY	3	13	1	6	63	18	22	126	27	5	0
SOCIAL SCIENCES	10	0	4	12	93	18	66	223	79	55	10
BROWN UNIVERSITY											
TOTAL, ALL AREAS	27	17	110	62	239	44	49	548	135	41	13
* ENGINEERING	0	0	37	19	9	5	4	74	17	9	5
PHYSICAL SCIENCES	12	6	35	16	59	9	3	140	34	2	1
ENVIRONMENTAL SCIENCES	0	0	15	8	11	1	0	35	8	1	0
* MATHEMATICAL SCIENCES	0	7	16	8	41	8	4	84	16	4	0
LIFE SCIENCES	2	0	2	1	29	3	4	41	7	3	2
PSYCHOLOGY	3	4	1	0	16	0	0	24	7	0	0
* SOCIAL SCIENCES	10	0	4	10	74	18	34	150	46	22	5
PROVIDENCE COLLEGE											
TOTAL, ALL AREAS	0	0	0	0	2	0	1	3	1	3	1
PHYSICAL SCIENCES	0	0	0	0	2	0	1	3	1	3	1
UNIVERSITY OF RHODE ISLAND											
TOTAL, ALL AREAS	6	20	54	128	323	49	222	802	255	356	52
ENGINEERING	0	0	11	44	49	5	31	140	50	135	19
PHYSICAL SCIENCES	1	0	4	4	34	3	9	55	20	3	0
ENVIRONMENTAL SCIENCES	0	0	35	24	24	14	13	110	38	57	6
MATHEMATICAL SCIENCES	1	0	0	1	24	0	15	41	9	43	8
* LIFE SCIENCES	4	11	4	27	126	9	100	281	85	80	14
PSYCHOLOGY	0	9	0	6	47	18	22	102	20	5	0
SOCIAL SCIENCES	0	0	0	22	19	0	32	73	33	33	5
SOUTH CAROLINA											
TOTAL, ALL AREAS	44	53	28	208	982	106	397	1,818	679	1,012	377
ENGINEERING	5	0	0	48	163	28	54	298	115	335	109
PHYSICAL SCIENCES	21	0	11	2	133	5	9	181	51	21	8
ENVIRONMENTAL SCIENCES	0	0	3	25	52	31	6	117	29	9	0
MATHEMATICAL SCIENCES	0	0	0	0	115	2	19	136	54	116	23
LIFE SCIENCES	16	17	14	90	336	27	131	631	228	294	99
PSYCHOLOGY	2	15	0	8	47	0	33	105	31	49	0
SOCIAL SCIENCES	0	21	0	35	136	13	145	350	171	188	138
CLEMSON UNIVERSITY											
TOTAL, ALL AREAS	6	0	0	101	363	29	102	601	219	257	43
ENGINEERING	4	0	0	36	128	18	48	232	75	115	19
PHYSICAL SCIENCES	0	0	0	1	54	0	3	58	16	14	3
MATHEMATICAL SCIENCES	0	0	0	0	48	0	4	52	26	11	2
LIFE SCIENCES	2	0	0	56	118	10	27	213	77	106	13
SOCIAL SCIENCES	0	0	0	10	15	1	20	46	25	11	6
MEDICAL UNIVERSITY OF SOUTH CAROLINA											
TOTAL, ALL AREAS	8	0	0	0	96	1	8	113	10	10	9

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
SOUTH CAROLINA, CONTINUED											
MEDICAL UNIVERSITY OF SOUTH CAROLINA											
LIFE SCIENCES	8	0	0	0	96	1	8	113	10	10	9
UNIVERSITY OF SOUTH CAROLINA											
TOTAL, ALL AREAS	30	53	28	107	523	76	287	1,104	450	749	325
ENGINEERING	1	0	0	14	35	10	6	66	40	220	90
PHYSICAL SCIENCES	21	0	11	1	79	5	6	123	35	7	5
ENVIRONMENTAL SCIENCES	0	0	3	25	52	31	6	117	29	9	0
MATHEMATICAL SCIENCES	0	0	0	0	67	2	15	84	28	105	21
LIFE SCIENCES	6	17	14	34	122	16	96	305	141	178	77
PSYCHOLOGY	2	15	0	8	47	0	33	105	31	49	0
SOCIAL SCIENCES	0	21	0	25	121	12	125	304	146	177	132
SOUTH DAKOTA											
TOTAL, ALL AREAS	6	27	6	52	193	55	126	465	198	173	46
ENGINEERING	0	6	2	6	37	7	48	106	51	31	5
PHYSICAL SCIENCES	0	0	0	3	20	0	5	28	9	10	3
ENVIRONMENTAL SCIENCES	0	4	2	14	10	11	0	41	12	25	1
MATHEMATICAL SCIENCES	0	0	0	0	7	0	1	8	5	2	1
LIFE SCIENCES	6	6	2	20	87	17	40	178	71	36	14
PSYCHOLOGY	0	8	0	9	3	16	0	36	11	0	0
SOCIAL SCIENCES	0	3	0	0	29	4	32	68	39	69	22
SOUTH DAKOTA SCHOOL OF MINES AND TECH											
TOTAL, ALL AREAS	0	10	4	23	41	17	35	130	56	51	5
ENGINEERING	0	6	2	6	24	6	34	78	41	21	3
PHYSICAL SCIENCES	0	0	0	3	5	0	1	9	3	6	1
ENVIRONMENTAL SCIENCES	0	4	2	14	10	11	0	41	12	24	1
MATHEMATICAL SCIENCES	0	0	0	0	2	0	0	2	0	0	0
SOUTH DAKOTA STATE UNIVERSITY											
TOTAL, ALL AREAS	0	1	0	14	99	19	62	195	78	47	17
ENGINEERING	0	0	0	0	13	1	14	28	10	10	2
PHYSICAL SCIENCES	0	0	0	0	10	0	4	14	4	3	2
LIFE SCIENCES	0	1	0	14	58	14	23	110	44	21	8
SOCIAL SCIENCES	0	0	0	0	18	4	21	43	20	13	5
UNIVERSITY OF SOUTH DAKOTA											
TOTAL, ALL AREAS	6	16	2	15	53	19	29	140	64	75	24
PHYSICAL SCIENCES	0	0	0	0	5	0	0	5	2	1	0
ENVIRONMENTAL SCIENCES	0	0	0	0	0	0	0	0	0	1	0
MATHEMATICAL SCIENCES	0	0	0	0	5	0	1	6	5	2	1
LIFE SCIENCES	6	5	2	6	29	3	17	68	27	15	6
PSYCHOLOGY	0	8	0	9	3	16	0	36	11	0	0
SOCIAL SCIENCES	0	3	0	0	11	0	11	25	19	56	17
TENNESSEE											
TOTAL, ALL AREAS	152	152	40	262	1,432	426	1,221	3,685	1,301	1,587	558
ENGINEERING	0	0	9	63	215	121	99	507	179	646	228
PHYSICAL SCIENCES	4	0	11	19	151	10	21	216	60	23	6
ENVIRONMENTAL SCIENCES	0	0	0	0	44	21	56	121	61	13	2
MATHEMATICAL SCIENCES	0	0	0	8	150	1	79	238	91	106	75
LIFE SCIENCES	141	75	16	62	422	105	418	1,239	452	246	59
PSYCHOLOGY	5	67	1	23	187	63	158	504	127	159	27
SOCIAL SCIENCES	2	10	3	87	263	105	390	860	331	394	161
EAST TENNESSEE STATE UNIVERSITY											
TOTAL, ALL AREAS	0	10	0	17	66	0	69	162	58	81	14
PHYSICAL SCIENCES	0	0	0	0	4	0	5	9	4	7	2
MATHEMATICAL SCIENCES	0	0	0	1	3	0	5	9	2	6	1
LIFE SCIENCES	0	10	0	5	40	0	34	89	35	31	3
PSYCHOLOGY	0	0	0	3	4	0	9	16	4	16	5
SOCIAL SCIENCES	0	0	0	8	15	0	16	39	13	21	3
GEORGE PEABODY COLLEGE FOR TEACHERS											
TOTAL, ALL AREAS	0	28	0	5	9	0	39	81	4	38	3
* PSYCHOLOGY	0	28	0	5	9	0	39	81	4	38	3
MEHARRY MEDICAL COLLEGE											
TOTAL, ALL AREAS	13	3	3	0	8	17	6	50	21	0	0
LIFE SCIENCES	13	3	3	0	8	17	6	50	21	0	0
MEMPHIS STATE UNIVERSITY											
TOTAL, ALL AREAS	1	0	0	7	216	36	146	406	148	363	170
ENGINEERING	0	0	0	0	14	0	10	24	12	91	49
PHYSICAL SCIENCES	0	0	0	0	30	0	0	30	6	1	0
ENVIRONMENTAL SCIENCES	0	0	0	0	5	3	7	15	9	0	0
MATHEMATICAL SCIENCES	0	0	0	0	38	0	6	44	20	46	33
LIFE SCIENCES	1	0	0	2	60	7	73	143	49	33	10
PSYCHOLOGY	0	0	0	1	35	26	12	74	25	43	8
SOCIAL SCIENCES	0	0	0	4	34	0	38	76	27	149	70
TENNESSEE TECHNOLOGICAL UNIVERSITY											
TOTAL, ALL AREAS	0	0	0	0	71	14	3	88	43	71	26
ENGINEERING	0	0	0	0	50	2	2	54	28	40	20
PHYSICAL SCIENCES	0	0	0	0	6	0	0	6	2	1	1
MATHEMATICAL SCIENCES	0	0	0	0	3	0	1	4	2	3	2
LIFE SCIENCES	0	0	0	0	12	12	0	24	11	27	3
UNIVERSITY OF TENNESSEE AT KNOXVILLE											
TOTAL, ALL AREAS	45	45	23	201	778	266	829	2,187	793	986	324

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
TENNESSEE, CONTINUED											
UNIVERSITY OF TENNESSEE AT KNOXVILLE											
ENGINEERING	0	0	6	61	114	107	80	368	119	513	158
PHYSICAL SCIENCES	0	0	6	18	72	7	14	117	34	11	3
ENVIRONMENTAL SCIENCES	0	0	0	0	28	1	36	65	31	10	0
MATHEMATICAL SCIENCES	0	0	0	7	70	0	55	132	53	49	37
LIFE SCIENCES	41	18	7	52	227	49	257	651	241	117	27
PSYCHOLOGY	4	17	1	10	116	37	83	268	71	62	11
SOCIAL SCIENCES	0	10	3	53	151	65	304	586	244	224	88
UNIVERSITY OF TENNESSEE CTR HLTH SCIENCE											
TOTAL, ALL AREAS	13	22	1	1	44	9	17	107	39	29	16
LIFE SCIENCES	13	22	1	1	44	9	17	107	39	29	16
VANDERBILT UNIVERSITY											
TOTAL, ALL AREAS	80	44	13	31	240	84	112	604	195	19	5
ENGINEERING	0	0	3	2	37	12	7	61	20	2	1
PHYSICAL SCIENCES	4	0	5	1	39	3	2	54	14	3	0
ENVIRONMENTAL SCIENCES	0	0	0	0	11	17	13	41	21	3	2
MATHEMATICAL SCIENCES	0	0	0	0	36	1	12	49	14	2	2
LIFE SCIENCES	73	22	5	2	31	11	31	175	56	9	0
PSYCHOLOGY	1	22	0	4	23	0	15	65	23	0	0
SOCIAL SCIENCES	2	0	0	22	63	40	32	159	47	0	0
TEXAS											
TOTAL, ALL AREAS	311	345	312	840	5,207	1,260	4,411	12,686	4,235	6,712	2,241
ENGINEERING	19	10	105	295	832	303	657	2,221	779	2,006	746
PHYSICAL SCIENCES	25	8	72	109	716	305	99	1,334	362	164	42
ENVIRONMENTAL SCIENCES	0	40	61	106	347	52	236	842	263	352	94
MATHEMATICAL SCIENCES	3	0	20	52	487	10	465	1,037	359	724	272
LIFE SCIENCES	232	133	44	138	1,460	303	1,339	3,649	1,264	2,012	697
PSYCHOLOGY	21	61	1	57	439	146	644	1,369	384	406	79
SOCIAL SCIENCES	11	93	9	83	926	141	971	2,234	824	1,048	311
BAYLOR COLLEGE OF DENTISTRY											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
BAYLOR COLLEGE OF MEDICINE											
TOTAL, ALL AREAS	41	0	2	1	42	21	7	114	35	1	0
LIFE SCIENCES	41	0	2	1	42	21	7	114	35	1	0
BAYLOR UNIVERSITY											
TOTAL, ALL AREAS	0	5	0	4	79	55	44	187	91	23	7
PHYSICAL SCIENCES	0	0	0	0	17	15	0	32	7	5	0
ENVIRONMENTAL SCIENCES	0	0	0	2	13	1	13	29	14	5	2
MATHEMATICAL SCIENCES	0	0	0	0	3	0	0	3	1	0	0
LIFE SCIENCES	0	5	0	2	23	4	23	57	40	7	2
PSYCHOLOGY	0	0	0	0	7	29	0	36	9	0	0
SOCIAL SCIENCES	0	0	0	0	16	6	8	30	20	6	3
EAST TEXAS STATE UNIVERSITY											
TOTAL, ALL AREAS	0	0	0	0	72	14	205	291	139	347	156
PHYSICAL SCIENCES	0	0	0	0	14	7	3	24	10	12	2
ENVIRONMENTAL SCIENCES	0	0	0	0	3	0	6	9	3	11	0
MATHEMATICAL SCIENCES	0	0	0	0	17	0	157	174	84	180	80
LIFE SCIENCES	0	0	0	0	7	7	15	29	13	78	42
PSYCHOLOGY	0	0	0	0	11	0	11	22	12	30	20
SOCIAL SCIENCES	0	0	0	0	20	0	13	33	17	36	12
LAMAR UNIVERSITY											
TOTAL, ALL AREAS	0	0	0	3	15	0	27	45	16	47	12
ENGINEERING	0	0	0	1	5	0	14	20	7	12	2
PHYSICAL SCIENCES	0	0	0	1	4	0	1	6	3	4	3
LIFE SCIENCES	0	0	0	1	3	0	1	5	1	6	1
PSYCHOLOGY	0	0	0	0	3	0	11	14	5	25	6
NORTH TEXAS STATE UNIVERSITY											
TOTAL, ALL AREAS	5	5	1	15	219	33	146	424	130	298	70
PHYSICAL SCIENCES	2	0	0	4	56	26	7	95	25	8	2
MATHEMATICAL SCIENCES	0	0	0	0	37	0	30	67	24	43	11
LIFE SCIENCES	2	0	1	5	47	1	8	64	11	29	10
PSYCHOLOGY	0	5	0	6	42	0	21	74	18	40	3
SOCIAL SCIENCES	1	0	0	0	37	6	80	124	52	138	44
RICE UNIVERSITY											
TOTAL, ALL AREAS	21	9	50	47	178	105	134	544	154	18	10
ENGINEERING	6	0	17	10	42	22	61	158	45	12	9
PHYSICAL SCIENCES	1	0	18	27	39	38	3	126	38	0	0
ENVIRONMENTAL SCIENCES	0	2	6	8	17	13	5	51	15	2	0
MATHEMATICAL SCIENCES	0	0	4	0	23	6	21	54	22	2	1
LIFE SCIENCES	14	6	4	0	23	16	6	69	14	0	0
PSYCHOLOGY	0	0	1	1	7	6	6	21	7	0	0
SOCIAL SCIENCES	0	1	0	1	27	4	32	65	13	2	0
SAM HOUSTON STATE UNIVERSITY											
TOTAL, ALL AREAS	0	0	2	1	38	40	228	309	127	105	51
PHYSICAL SCIENCES	0	0	0	0	7	6	1	14	7	1	0
MATHEMATICAL SCIENCES	0	0	0	0	5	0	2	7	2	16	15
LIFE SCIENCES	0	0	2	1	9	22	26	60	36	39	20
SOCIAL SCIENCES	0	0	0	0	17	12	199	228	82	49	16
SOUTHERN METHODIST UNIVERSITY											
TOTAL, ALL AREAS	0	15	6	27	144	23	112	327	134	475	347

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE / INSTITUTION NAME / AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
TEXAS, CONTINUED											
SOUTHERN METHODIST UNIVERSITY											
ENGINEERING	0	0	2	14	17	5	53	91	44	345	263
PHYSICAL SCIENCES	0	1	0	0	6	4	1	12	5	3	3
ENVIRONMENTAL SCIENCES	0	3	1	6	8	1	4	23	6	7	5
MATHEMATICAL SCIENCES	0	0	0	7	40	1	8	56	18	84	60
LIFE SCIENCES	0	10	0	0	8	0	7	25	17	7	4
PSYCHOLOGY	0	0	0	0	10	0	17	27	13	8	3
SOCIAL SCIENCES	0	1	3	0	55	12	22	93	31	21	9
STEPHEN F. AUSTIN STATE UNIVERSITY											
TOTAL, ALL AREAS	0	0	2	11	102	13	214	342	148	66	16
PHYSICAL SCIENCES	0	0	0	0	9	1	0	10	8	14	2
ENVIRONMENTAL SCIENCES	0	0	0	0	12	0	4	16	7	2	0
MATHEMATICAL SCIENCES	0	0	0	0	11	0	79	90	60	6	2
LIFE SCIENCES	0	0	2	11	42	6	85	146	43	20	4
PSYCHOLOGY	0	0	0	0	18	6	41	65	22	9	4
SOCIAL SCIENCES	0	0	0	0	10	0	5	15	8	15	4
TEXAS A & M UNIVERSITY											
TOTAL, ALL AREAS	6	10	63	184	1,203	239	737	2,442	699	621	93
ENGINEERING	0	4	7	61	186	95	136	489	166	139	33
PHYSICAL SCIENCES	3	4	9	8	179	22	11	236	51	36	3
ENVIRONMENTAL SCIENCES	0	0	40	76	81	12	37	246	75	32	2
MATHEMATICAL SCIENCES	0	0	1	6	58	0	5	70	11	5	0
LIFE SCIENCES	3	2	6	26	504	77	336	954	257	262	41
PSYCHOLOGY	0	0	0	0	39	0	149	188	47	87	8
SOCIAL SCIENCES	0	0	0	7	156	33	63	259	92	60	6
TEXAS CHRISTIAN UNIVERSITY											
TOTAL, ALL AREAS	2	1	1	0	96	27	0	127	45	5	0
* PHYSICAL SCIENCES	2	0	1	0	9	21	0	33	11	0	0
* ENVIRONMENTAL SCIENCES	0	0	0	0	11	5	0	16	7	0	0
* MATHEMATICAL SCIENCES	0	0	0	0	10	0	0	10	4	0	0
* LIFE SCIENCES	0	0	0	0	19	1	0	20	4	5	0
* PSYCHOLOGY	0	0	0	0	24	0	0	24	8	0	0
* SOCIAL SCIENCES	0	1	0	0	23	0	0	24	11	0	0
TEXAS COLLEGE OF OSTEOPATHIC MEDICINE											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
TEXAS TECH UNIVERSITY											
TOTAL, ALL AREAS	8	8	22	107	334	79	169	727	282	156	38
ENGINEERING	5	2	14	61	48	11	22	163	70	19	0
PHYSICAL SCIENCES	2	0	3	3	31	23	2	64	21	7	0
ENVIRONMENTAL SCIENCES	0	0	1	1	13	9	6	30	14	6	1
MATHEMATICAL SCIENCES	0	0	1	2	39	0	2	44	18	11	5
LIFE SCIENCES	1	0	3	20	135	19	95	233	86	52	17
PSYCHOLOGY	0	3	0	11	26	15	43	98	36	21	0
SOCIAL SCIENCES	0	3	0	9	42	2	39	95	37	40	15
TEXAS WOMAN'S UNIVERSITY											
TOTAL, ALL AREAS	2	29	2	0	92	14	519	658	328	1,141	403
PHYSICAL SCIENCES	0	1	2	0	9	0	7	19	5	4	1
MATHEMATICAL SCIENCES	0	0	0	0	0	1	1	2	0	5	2
LIFE SCIENCES	2	28	0	0	65	13	369	477	271	1,017	381
PSYCHOLOGY	0	0	0	0	12	0	125	137	46	87	16
SOCIAL SCIENCES	0	0	0	0	6	0	17	23	6	28	3
UNIV OF TEXAS AT ARLINGTON											
TOTAL, ALL AREAS	0	19	0	33	416	18	291	777	327	871	282
ENGINEERING	0	0	0	0	87	2	114	203	79	221	71
PHYSICAL SCIENCES	0	1	0	0	21	0	7	29	11	36	19
ENVIRONMENTAL SCIENCES	0	4	0	0	12	0	1	17	8	46	20
MATHEMATICAL SCIENCES	0	0	0	0	44	0	33	77	32	110	33
LIFE SCIENCES	0	5	0	0	21	0	8	34	14	105	38
PSYCHOLOGY	0	0	0	0	27	0	10	37	8	25	5
SOCIAL SCIENCES	0	9	0	33	204	16	118	380	175	328	96
UNIV OF TEXAS AT AUSTIN											
TOTAL, ALL AREAS	80	145	102	276	1,170	407	828	3,008	874	588	79
ENGINEERING	8	4	30	112	269	141	97	661	243	271	23
PHYSICAL SCIENCES	15	1	36	53	211	108	21	445	108	11	1
ENVIRONMENTAL SCIENCES	0	5	1	0	84	5	82	177	53	0	0
MATHEMATICAL SCIENCES	0	0	13	36	115	2	94	260	45	36	12
LIFE SCIENCES	42	26	16	15	151	35	113	398	133	79	23
PSYCHOLOGY	5	43	0	32	117	70	146	413	91	50	4
SOCIAL SCIENCES	10	66	6	28	223	46	275	654	201	141	16
UNIV OF TEXAS AT DALLAS											
TOTAL, ALL AREAS	14	0	14	12	175	4	216	435	115	837	312
ENGINEERING	0	0	0	0	35	0	115	150	45	527	216
PHYSICAL SCIENCES	0	0	0	5	24	1	11	41	9	13	5
ENVIRONMENTAL SCIENCES	0	0	12	6	48	0	24	90	16	112	25
MATHEMATICAL SCIENCES	0	0	1	0	24	0	8	33	10	124	33
LIFE SCIENCES	14	0	1	0	29	3	44	91	25	31	13
SOCIAL SCIENCES	0	0	0	1	15	0	14	30	10	30	20
UNIV OF TEXAS AT EL PASO											
TOTAL, ALL AREAS	7	12	1	22	128	24	92	286	126	227	96

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
TEXAS, CONTINUED											
UNIV OF TEXAS AT EL PASO											
ENGINEERING	0	0	0	5	38	6	12	61	29	64	22
PHYSICAL SCIENCES	0	0	1	0	19	6	5	31	12	6	0
ENVIRONMENTAL SCIENCES	0	0	0	5	19	5	21	50	13	14	0
MATHEMATICAL SCIENCES	0	0	0	0	9	0	0	9	5	6	6
LIFE SCIENCES	6	0	0	7	21	1	29	64	33	58	22
PSYCHOLOGY	1	0	0	5	8	5	8	27	17	17	10
SOCIAL SCIENCES	0	12	0	0	14	1	17	44	17	62	36
UNIV OF TEXAS CANCER CENTER											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
UNIV OF TEXAS HLTH SCI CTR AT DALLAS											
TOTAL, ALL AREAS	57	11	5	3	83	21	22	202	49	26	1
ENGINEERING	0	0	0	0	1	0	1	2	0	0	0
MATHEMATICAL SCIENCES	3	0	0	1	6	0	0	10	3	2	0
LIFE SCIENCES	54	11	5	2	76	21	21	190	46	24	1
UNIV OF TEXAS HLTH SCI CTR AT HOUSTON											
TOTAL, ALL AREAS	24	40	1	34	30	20	58	207	60	45	11
ENVIRONMENTAL SCIENCES	0	26	0	1	5	1	18	51	21	15	4
LIFE SCIENCES	24	14	1	33	25	19	40	156	39	30	7
UNIV OF TEXAS HLTH SCI CTR SAN ANTONIO											
TOTAL, ALL AREAS	10	16	0	2	71	2	44	145	55	85	42
ENGINEERING	0	0	0	0	3	0	1	4	0	1	0
LIFE SCIENCES	10	16	0	2	68	2	43	141	55	84	42
UNIV OF TEXAS MED BRANCH AT GALVESTON											
TOTAL, ALL AREAS	9	9	0	0	71	21	24	134	25	13	4
LIFE SCIENCES	9	9	0	0	71	21	24	134	25	13	4
UNIVERSITY OF DALLAS											
TOTAL, ALL AREAS	0	0	0	0	21	0	4	25	13	10	0
PSYCHOLOGY	0	0	0	0	14	0	4	18	9	7	0
SOCIAL SCIENCES	0	0	0	0	7	0	0	7	4	3	0
UNIVERSITY OF HOUSTON											
TOTAL, ALL AREAS	25	11	38	58	428	80	290	930	263	747	211
ENGINEERING	0	0	35	31	101	21	31	219	51	395	107
PHYSICAL SCIENCES	0	0	2	8	61	27	19	117	31	4	1
ENVIRONMENTAL SCIENCES	0	0	0	1	21	0	15	37	11	100	35
MATHEMATICAL SCIENCES	0	0	0	0	46	0	25	71	20	94	12
LIFE SCIENCES	10	1	1	12	71	14	79	188	66	65	25
PSYCHOLOGY	15	10	0	2	74	15	52	168	36	0	0
SOCIAL SCIENCES	0	0	0	4	54	3	69	130	48	89	31
UTAH											
TOTAL, ALL AREAS	142	126	78	274	931	267	923	2,741	945	841	184
ENGINEERING	24	33	30	92	98	82	172	531	197	205	29
PHYSICAL SCIENCES	17	1	19	27	150	10	17	241	70	26	8
ENVIRONMENTAL SCIENCES	0	0	10	53	39	12	54	168	48	42	3
MATHEMATICAL SCIENCES	0	0	6	6	99	30	23	164	60	51	30
LIFE SCIENCES	100	63	11	51	274	63	169	731	272	223	54
PSYCHOLOGY	0	22	2	14	119	8	121	286	71	51	0
SOCIAL SCIENCES	1	7	0	31	152	62	367	620	227	243	60
BRIGHAM YOUNG UNIVERSITY											
TOTAL, ALL AREAS	1	0	3	44	369	58	253	728	282	182	17
ENGINEERING	0	0	1	31	36	23	45	136	54	38	1
PHYSICAL SCIENCES	1	0	2	4	40	1	4	52	21	5	1
ENVIRONMENTAL SCIENCES	0	0	0	0	18	5	5	28	16	4	0
MATHEMATICAL SCIENCES	0	0	0	1	35	20	4	60	25	14	9
LIFE SCIENCES	0	0	0	7	118	8	36	169	69	53	4
PSYCHOLOGY	0	0	0	0	63	0	78	141	40	35	0
SOCIAL SCIENCES	0	0	0	1	59	1	81	142	57	33	2
UNIVERSITY OF UTAH											
TOTAL, ALL AREAS	132	113	63	162	347	124	527	1,468	445	418	103
ENGINEERING	24	33	29	39	24	28	78	255	95	147	21
PHYSICAL SCIENCES	14	0	13	18	91	7	8	151	36	12	4
ENVIRONMENTAL SCIENCES	0	0	10	53	21	7	47	138	30	31	0
MATHEMATICAL SCIENCES	0	0	6	3	55	10	14	88	27	21	11
LIFE SCIENCES	93	55	3	12	68	21	71	323	99	38	17
PSYCHOLOGY	0	22	2	14	24	0	34	96	16	7	0
SOCIAL SCIENCES	1	3	0	23	64	51	275	417	142	162	50
UTAH STATE UNIVERSITY											
TOTAL, ALL AREAS	9	13	12	68	215	85	143	545	218	241	64
ENGINEERING	0	0	0	22	38	31	49	140	48	20	7
PHYSICAL SCIENCES	2	1	4	5	19	2	5	38	13	9	3
ENVIRONMENTAL SCIENCES	0	0	0	0	0	0	2	2	2	7	3
MATHEMATICAL SCIENCES	0	0	0	2	9	0	5	16	8	16	10
LIFE SCIENCES	7	8	8	32	88	34	62	239	104	132	33
PSYCHOLOGY	0	0	0	0	32	8	9	49	15	9	0
SOCIAL SCIENCES	0	4	0	7	29	10	11	61	28	48	8
VERMONT											
TOTAL, ALL AREAS	25	17	2	29	171	41	59	344	153	106	34
ENGINEERING	0	0	0	0	9	28	1	38	33	39	16

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTI-TU-TIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUP-PORTED STU-DENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
VERMONT, CONTINUED											
PHYSICAL SCIENCES	3	0	1	0	30	1	2	37	11	5	2
ENVIRONMENTAL SCIENCES	0	0	0	0	10	0	0	10	6	5	1
MATHEMATICAL SCIENCES	1	0	0	0	18	2	2	23	13	18	9
LIFE SCIENCES	19	11	1	23	64	8	30	156	68	26	4
PSYCHOLOGY	2	6	0	0	30	2	9	49	7	7	1
SOCIAL SCIENCES	0	0	0	6	10	0	15	31	15	6	1
UNIVERSITY OF VERMONT & ST AGRIC COLLEGE											
TOTAL, ALL AREAS	25	17	2	29	171	41	59	344	153	106	34
ENGINEERING	0	0	0	0	9	28	1	38	33	39	16
PHYSICAL SCIENCES	3	0	1	0	30	1	2	37	11	5	2
ENVIRONMENTAL SCIENCES	0	0	0	0	10	0	0	10	6	5	1
MATHEMATICAL SCIENCES	1	0	0	0	18	2	2	23	13	18	9
LIFE SCIENCES	19	11	1	23	64	8	30	156	68	26	4
PSYCHOLOGY	2	6	0	0	30	2	9	49	7	7	1
SOCIAL SCIENCES	0	0	0	6	10	0	15	31	15	6	1
VIRGINIA											
TOTAL, ALL AREAS	202	193	92	493	1,728	238	1,256	4,202	1,511	1,678	667
ENGINEERING	14	19	23	225	278	52	245	856	384	540	201
PHYSICAL SCIENCES	12	0	26	28	225	11	20	322	102	71	18
ENVIRONMENTAL SCIENCES	0	3	12	69	189	13	111	397	162	113	30
MATHEMATICAL SCIENCES	0	0	2	27	165	3	63	260	104	183	56
LIFE SCIENCES	161	135	23	105	413	107	394	1,338	394	319	81
PSYCHOLOGY	15	0	1	6	144	12	122	300	72	49	9
SOCIAL SCIENCES	0	36	5	33	314	40	301	729	293	403	272
COLLEGE OF WILLIAM AND MARY											
TOTAL, ALL AREAS	0	0	10	59	85	14	34	202	69	47	15
PHYSICAL SCIENCES	0	0	8	3	17	1	0	29	9	4	0
ENVIRONMENTAL SCIENCES	0	0	2	45	35	7	26	115	24	8	6
MATHEMATICAL SCIENCES	0	0	0	11	4	0	1	16	8	27	6
LIFE SCIENCES	0	0	0	0	12	0	5	17	7	4	2
PSYCHOLOGY	0	0	0	0	6	6	0	12	8	0	0
SOCIAL SCIENCES	0	0	0	0	11	0	2	13	13	4	1
EASTERN VIRGINIA MEDICAL SCHOOL											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
INSTITUTE OF TEXTILE TECHNOLOGY											
TOTAL, ALL AREAS	0	0	0	0	16	0	0	16	8	0	0
ENGINEERING	0	0	0	0	16	0	0	16	8	0	0
OLD DOMINION UNIVERSITY											
TOTAL, ALL AREAS	1	1	4	35	133	8	137	319	123	375	119
ENGINEERING	0	0	3	23	14	5	23	68	38	153	67
PHYSICAL SCIENCES	1	0	0	6	26	1	8	42	11	23	10
ENVIRONMENTAL SCIENCES	0	0	0	5	31	0	35	71	36	60	9
LIFE SCIENCES	0	1	1	1	35	2	59	99	22	84	17
PSYCHOLOGY	0	0	0	0	23	0	2	25	10	31	6
SOCIAL SCIENCES	0	0	0	0	4	0	10	14	6	24	10
UNIVERSITY OF VIRGINIA											
TOTAL, ALL AREAS	114	68	36	97	511	55	277	1,158	368	233	59
ENGINEERING	13	8	6	73	96	18	107	321	145	81	43
PHYSICAL SCIENCES	6	0	10	5	103	4	7	135	43	16	1
ENVIRONMENTAL SCIENCES	0	0	10	7	23	1	1	42	8	0	0
MATHEMATICAL SCIENCES	0	0	0	10	55	1	26	92	39	17	3
LIFE SCIENCES	90	56	7	0	52	5	49	259	35	53	3
PSYCHOLOGY	5	0	1	0	38	1	10	55	13	0	0
SOCIAL SCIENCES	0	4	2	2	144	25	77	254	85	66	9
VIRGINIA COMMONWEALTH UNIVERSITY											
TOTAL, ALL AREAS	74	104	3	43	210	41	426	901	323	456	302
PHYSICAL SCIENCES	3	0	1	0	14	2	1	21	13	16	6
MATHEMATICAL SCIENCES	0	0	0	0	8	1	1	10	5	12	4
LIFE SCIENCES	61	72	2	17	98	25	128	403	146	117	41
PSYCHOLOGY	10	0	0	0	32	0	95	137	17	18	3
SOCIAL SCIENCES	0	32	0	26	58	13	201	330	142	293	248
VIRGINIA POLYTECHNIC INST AND STATE UNIV											
TOTAL, ALL AREAS	13	20	39	259	773	120	382	1,606	620	567	172
ENGINEERING	1	11	14	129	152	29	115	451	193	306	91
PHYSICAL SCIENCES	2	0	7	14	65	3	4	95	26	12	1
ENVIRONMENTAL SCIENCES	0	3	0	12	100	5	49	169	94	45	15
MATHEMATICAL SCIENCES	0	0	2	6	98	1	35	142	52	127	43
LIFE SCIENCES	10	6	13	87	216	75	153	560	184	61	18
PSYCHOLOGY	0	0	0	6	45	5	15	71	24	0	0
SOCIAL SCIENCES	0	0	3	5	97	2	11	118	47	16	4
WASHINGTON											
TOTAL, ALL AREAS	397	374	252	425	1,314	437	1,482	4,681	1,563	1,154	253
ENGINEERING	18	19	52	98	132	83	215	617	269	260	99
PHYSICAL SCIENCES	15	2	52	41	177	13	37	337	81	38	18
ENVIRONMENTAL SCIENCES	0	5	66	65	100	38	71	345	82	39	4
MATHEMATICAL SCIENCES	4	2	12	2	123	16	60	219	75	60	19
LIFE SCIENCES	316	246	55	177	409	213	430	1,848	631	429	62
PSYCHOLOGY	37	15	2	6	75	27	17	179	52	32	3
SOCIAL SCIENCES	5	85	13	36	298	47	652	1,136	373	296	48
UNIVERSITY OF WASHINGTON											
TOTAL, ALL AREAS	375	336	213	334	702	256	1,162	3,378	1,168	992	217

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
WASHINGTON, CONTINUED											
UNIVERSITY OF WASHINGTON											
ENGINEERING	18	19	42	73	64	56	185	457	218	245	98
PHYSICAL SCIENCES	8	0	40	29	114	7	34	232	53	33	17
* ENVIRONMENTAL SCIENCES	0	0	66	54	57	21	50	248	50	30	3
MATHEMATICAL SCIENCES	4	2	9	2	77	10	33	137	47	51	15
LIFE SCIENCES	304	245	44	150	171	125	300	1,339	476	364	39
PSYCHOLOGY	36	0	2	6	44	20	1	109	25	26	1
SOCIAL SCIENCES	5	70	10	20	175	17	559	856	299	243	44
WASHINGTON STATE UNIVERSITY											
TOTAL, ALL AREAS	22	38	39	91	612	181	320	1,303	395	162	36
ENGINEERING	0	0	10	25	68	27	30	160	51	15	1
PHYSICAL SCIENCES	7	2	12	12	63	6	3	105	28	5	1
ENVIRONMENTAL SCIENCES	0	5	0	11	43	17	21	97	32	9	1
MATHEMATICAL SCIENCES	0	0	3	0	46	6	27	82	28	9	4
LIFE SCIENCES	14	1	11	27	238	88	130	509	155	65	23
PSYCHOLOGY	1	15	0	0	31	7	16	70	27	6	2
SOCIAL SCIENCES	0	15	3	16	123	30	93	280	74	53	4
WEST VIRGINIA											
TOTAL, ALL AREAS	34	98	20	186	510	142	538	1,528	631	838	324
ENGINEERING	2	19	9	81	50	31	90	282	140	70	26
PHYSICAL SCIENCES	1	0	3	6	59	3	6	78	19	26	8
ENVIRONMENTAL SCIENCES	0	0	4	15	30	5	6	60	25	17	2
MATHEMATICAL SCIENCES	0	0	0	2	48	4	4	58	21	25	6
LIFE SCIENCES	31	23	4	60	199	39	150	506	184	231	64
PSYCHOLOGY	0	18	0	2	36	33	10	99	30	22	2
SOCIAL SCIENCES	0	38	0	20	88	27	272	445	212	447	216
MARSHALL UNIVERSITY											
TOTAL, ALL AREAS	0	0	0	10	53	3	59	125	41	146	48
* PHYSICAL SCIENCES	0	0	0	0	8	2	4	14	5	25	8
* MATHEMATICAL SCIENCES	0	0	0	0	10	0	0	10	3	12	4
* LIFE SCIENCES	0	0	0	10	19	1	25	55	18	62	21
* PSYCHOLOGY	0	0	0	0	7	0	10	17	6	7	2
* SOCIAL SCIENCES	0	0	0	0	9	0	20	29	9	40	13
WEST VIRGINIA SCH OF OSTEOPATHIC MED											
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0
WEST VIRGINIA UNIVERSITY											
TOTAL, ALL AREAS	34	98	20	176	457	139	479	1,403	590	692	276
ENGINEERING	2	19	9	81	50	31	90	282	140	70	26
PHYSICAL SCIENCES	1	0	3	6	51	1	2	64	14	1	0
ENVIRONMENTAL SCIENCES	0	0	4	15	30	5	6	60	25	17	2
MATHEMATICAL SCIENCES	0	0	0	2	38	4	4	48	18	13	2
LIFE SCIENCES	31	23	4	50	180	38	125	451	166	169	43
PSYCHOLOGY	0	18	0	2	29	33	0	82	24	15	0
SOCIAL SCIENCES	0	38	0	20	79	27	252	416	203	407	203
WISCONSIN											
TOTAL, ALL AREAS	420	348	348	652	2,042	491	1,614	5,915	1,734	1,675	434
ENGINEERING	15	9	66	149	282	133	260	914	324	371	87
PHYSICAL SCIENCES	30	0	94	114	339	16	17	610	160	18	2
ENVIRONMENTAL SCIENCES	0	4	58	78	92	13	45	290	79	13	2
MATHEMATICAL SCIENCES	5	0	13	9	220	5	92	344	98	138	15
LIFE SCIENCES	341	159	82	225	523	194	405	1,929	528	259	77
PSYCHOLOGY	6	104	7	1	151	3	290	562	162	349	120
SOCIAL SCIENCES	23	72	28	76	435	127	505	1,266	383	527	131
INSTITUTE OF PAPER CHEMISTRY											
TOTAL, ALL AREAS	0	0	0	0	94	0	0	94	31	0	0
ENGINEERING	0	0	0	0	27	0	0	27	11	0	0
PHYSICAL SCIENCES	0	0	0	0	57	0	0	57	14	0	0
LIFE SCIENCES	0	0	0	0	10	0	0	10	6	0	0
MARQUETTE UNIVERSITY											
TOTAL, ALL AREAS	0	40	5	12	175	23	66	321	125	239	76
ENGINEERING	0	2	5	5	39	15	10	76	22	118	39
PHYSICAL SCIENCES	0	0	0	0	38	2	3	43	16	7	1
MATHEMATICAL SCIENCES	0	0	0	0	11	1	0	12	5	19	3
LIFE SCIENCES	0	38	0	7	54	3	45	147	63	68	22
PSYCHOLOGY	0	0	0	0	12	0	3	15	9	7	4
SOCIAL SCIENCES	0	0	0	0	21	2	5	28	10	20	7
MEDICAL COLLEGE OF WISCONSIN											
TOTAL, ALL AREAS	12	0	2	2	26	5	22	69	20	10	4
LIFE SCIENCES	12	0	2	2	26	5	22	69	20	10	4
UNIVERSITY OF WISCONSIN - MADISON											
TOTAL, ALL AREAS	400	251	316	600	1,396	439	1,112	4,514	1,204	616	108
ENGINEERING	15	7	51	136	168	113	145	635	213	67	9
PHYSICAL SCIENCES	30	0	89	100	186	9	9	423	108	0	0
ENVIRONMENTAL SCIENCES	0	4	53	75	68	12	44	256	65	13	2
MATHEMATICAL SCIENCES	5	0	13	9	182	4	88	301	88	115	8
* LIFE SCIENCES	329	111	79	211	382	181	297	1,590	384	107	32
PSYCHOLOGY	4	77	6	0	97	3	239	426	109	122	35
SOCIAL SCIENCES	17	52	25	69	313	117	290	883	237	192	22
UNIVERSITY OF WISCONSIN - MILWAUKEE											
TOTAL, ALL AREAS	8	57	25	38	351	24	414	917	354	810	246

TABLE B-9. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1976

- CONTINUED

STATE / INSTITUTION NAME / AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES				NON-FEDERAL SOURCES						
	DHEW										
	NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
WISCONSIN, CONTINUED											
UNIVERSITY OF WISCONSIN - MILWAUKEE											
ENGINEERING	0	0	10	8	48	5	105	176	78	186	39
PHYSICAL SCIENCES	0	0	5	14	58	5	5	87	22	11	1
ENVIRONMENTAL SCIENCES	0	0	5	3	24	1	1	34	14	0	0
MATHEMATICAL SCIENCES	0	0	0	0	27	0	4	31	5	4	4
LIFE SCIENCES	0	10	1	5	51	5	41	113	55	74	19
PSYCHOLOGY	2	27	1	1	42	0	48	121	44	220	81
SOCIAL SCIENCES	6	20	3	7	101	8	210	355	136	315	102
WYOMING											
TOTAL, ALL AREAS	9	27	36	88	274	33	133	600	227	78	14
ENGINEERING	0	7	0	20	40	6	7	80	34	5	0
PHYSICAL SCIENCES	2	0	3	10	44	0	5	64	22	14	0
ENVIRONMENTAL SCIENCES	0	0	23	8	18	0	2	51	18	14	4
MATHEMATICAL SCIENCES	0	1	0	3	35	4	2	45	20	8	2
LIFE SCIENCES	0	19	6	27	79	17	98	246	87	30	6
PSYCHOLOGY	6	0	3	3	16	0	0	28	8	1	1
SOCIAL SCIENCES	1	0	1	17	42	6	19	86	38	6	1
UNIVERSITY OF WYOMING											
TOTAL, ALL AREAS	9	27	36	88	274	33	133	600	227	78	14
ENGINEERING	0	7	0	20	40	6	7	80	34	5	0
PHYSICAL SCIENCES	2	0	3	10	44	0	5	64	22	14	0
ENVIRONMENTAL SCIENCES	0	0	23	8	18	0	2	51	18	14	4
MATHEMATICAL SCIENCES	0	1	0	3	35	4	2	45	20	8	2
LIFE SCIENCES	0	19	6	27	79	17	98	246	87	30	6
PSYCHOLOGY	6	0	3	3	16	0	0	28	8	1	1
SOCIAL SCIENCES	1	0	1	17	42	6	19	86	38	6	1
PUERTO RICO											
TOTAL, ALL AREAS	23	180	21	40	375	31	366	1,036	510	514	146
ENGINEERING	0	0	0	0	7	1	15	23	1	48	2
PHYSICAL SCIENCES	12	0	10	2	60	5	2	91	38	15	6
ENVIRONMENTAL SCIENCES	2	0	0	1	20	6	28	57	3	9	0
MATHEMATICAL SCIENCES	0	0	4	0	28	0	18	50	28	8	0
LIFE SCIENCES	9	95	4	9	94	14	142	367	180	75	14
PSYCHOLOGY	0	12	3	7	14	0	48	84	50	1	0
SOCIAL SCIENCES	0	73	0	21	152	5	113	364	210	358	124
CATHOLIC UNIVERSITY OF PUERTO RICO											
TOTAL, ALL AREAS	0	0	0	8	0	0	0	8	3	0	0
* LIFE SCIENCES	0	0	0	8	0	0	0	8	3	0	0
UNIVERSITY OF PUERTO RICO - MAYAGUEZ											
TOTAL, ALL AREAS	5	0	1	2	70	19	72	169	30	110	14
ENGINEERING	0	0	0	0	7	1	15	23	1	48	2
PHYSICAL SCIENCES	3	0	0	0	21	1	0	25	7	14	5
ENVIRONMENTAL SCIENCES	2	0	0	1	20	6	28	57	3	9	0
MATHEMATICAL SCIENCES	0	0	0	0	3	0	4	7	3	2	0
LIFE SCIENCES	0	0	1	1	19	11	21	53	14	31	7
SOCIAL SCIENCES	0	0	0	0	0	0	4	4	2	6	0
UNIVERSITY OF PUERTO RICO - RIO PIEDRAS											
TOTAL, ALL AREAS	14	85	20	30	265	9	194	617	355	362	127
PHYSICAL SCIENCES	9	0	10	2	39	4	2	66	31	1	1
MATHEMATICAL SCIENCES	0	0	4	0	25	0	14	43	25	6	0
LIFE SCIENCES	5	0	3	0	35	0	21	64	41	2	2
PSYCHOLOGY	0	12	3	7	14	0	48	84	50	1	0
* SOCIAL SCIENCES	0	73	0	21	152	5	109	360	208	352	124
UNIVERSITY OF PUERTO RICO MED SCI CAMPUS											
TOTAL, ALL AREAS	4	95	0	0	40	3	100	242	122	42	5
LIFE SCIENCES	4	95	0	0	40	3	100	242	122	42	5

NOTE: DATA MARKED WITH * INDICATE AN INCOMPLETE RESPONSE BY THE INSTITUTION WHICH WAS IMPUTED BY NSF.
DATA MARKED WITH ** INDICATE AN INCOMPLETE RESPONSE BY THE INSTITUTION WHICH COULD NOT BE IMPUTED BY NSF.

SOURCE: NATIONAL SCIENCE FOUNDATION

section IV

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SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT FALL 1978

** GENERAL DEFINITIONS **

A GRADUATE STUDENT is defined as a student enrolled for credit in an advanced-degree program leading to a master's or Ph.D. degree in Fall 1978. M.D., D.V.M., or D.D.S. candidates, interns, and residents should NOT be reported UNLESS they are concurrently working for a master's or Ph.D. Individuals who already hold an M.D., D.V.M., or D.D.S., master's, or Ph.D degree but who are working on ANOTHER master's or Ph.D. degree are to be counted as graduate students, either full or part time.

Graduate students performing thesis or dissertation research away from the campus at Government and contractor-owned facilities in the United States are to be included as long as they are enrolled for credit in an advanced-degree program. Students enrolled at a branch or extension center in a foreign country are to be EXCLUDED.

A graduate student, whether full- or part-time, should be reported in only one department. If any students are in interdisciplinary programs, please be sure that each student will be counted only once. If a graduate student is enrolled in an inter-institutional program, please report the student only if the degree will be granted by your institution.

SPECIAL NOTE: Postdoctorals are to be EXCLUDED from this abbreviated survey but will be included in the survey in odd-numbered years.

** ITEM DEFINITIONS **

FULL-TIME GRADUATE STUDENTS, columns (A) - (I): A full-time graduate student is defined as a student enrolled for credit in an advanced-degree program (not a regular staff member or a postdoctoral) who is engaged full time in training activities in his field of science; these activities may embrace any appropriate combination of study, teaching, and research, depending upon YOUR INSTITUTION'S OWN POLICY. If a department has no full-time graduate students, write "NONE" in column (H).

SOURCES OF MAJOR SUPPORT, columns (A) - (G): Report the number of full-time graduate students in the appropriate column according to the source of the largest portion of their support. In determining the source of major support, consider only tuition and other academic expenses. If a graduate student receives stipend support from more than one source, choose the MAJOR category of support.

FEDERAL SOURCES, columns (A) - (D): Report the number of full-time graduate students in the appropriate column where they receive the largest portion of their support. Full-time graduate students receiving the largest portion of their support from Federal Government LOANS should be reported as SELF-SUPPORTED, column (G).

Department of Health, Education, and Welfare (DHEW), columns (A) and (B): Report full-time graduate students receiving support from the institutes or divisions of the NATIONAL INSTITUTES OF HEALTH (NIH) under column (A); support from all other components of DHEW should be reported under column (B), as indicated in the next column:

National Institutes of Health (report in Column A):
- Division of Research Resources
- Fogarty International Center
- National Cancer Institute
- National Eye Institute
- National Heart, Lung, and Blood Institute
- National Institute on Aging
- National Institute of Allergy and Infectious Diseases
- National Institute of Arthritis, Metabolism, and Digestive Diseases
- National Institute of Child Health and Human Development
- National Institute of Dental Research
- National Institute of Environmental Health Sciences
- National Institute of General Medical Sciences
- National Institute of Neurological and Communicative Disorders and Stroke

Other DHEW (report in Column B):
- Alcohol, Drug Abuse, and Mental Health Administration (including National Institute of Mental Health)
- Center for Disease Control
- Food and Drug Administration
- Health Resources Administration
- Health Services Administration
- National Institute of Education
- Office of Education
- Social and Rehabilitation Service

NONFEDERAL SOURCES, columns (E) and (F):

INSTITUTIONAL SUPPORT, column (E): Report full-time graduate students receiving support from your own institution and State and local governments. Funds given to a university by the FEDERAL GOVERNMENT, such as training grant funds, should be reported under the appropriate Federal agency, NOT reported as INSTITUTIONAL SUPPORT.

OTHER OUTSIDE SUPPORT, column (F): Report full-time graduate students receiving support from nonprofit institutions, private industry, and all other U.S. sources, as well as any non-U.S. sources.

SELF-SUPPORT, column (G): Include full-time graduate students whose major source of support is derived from loans from any source and from personal or family financial contributions. Full-time graduate students receiving the largest portion of their support from federal loans should be reported here. PLEASE BE SURE THAT ALL SELF-SUPPORTED STUDENTS ARE INCLUDED.

PART-TIME GRADUATE STUDENTS, columns (J) and (K): A part-time graduate student is defined as a student who is enrolled in an advanced-degree program who is NOT pursuing graduate work full time as defined above. Report the TOTAL number of part-time graduate students in column (J); if a department has no part-time graduate students, write "NONE" in column (J).

FIRST-YEAR STUDENTS, columns (I) and (K): A FIRST-YEAR graduate student is defined as one who will have completed LESS THAN A FULL YEAR of graduate study as of the beginning of the fall term in 1978 in the program in which he is enrolled for a degree. All other graduate students should be considered beyond their first year. Of the total in column (H), report the number of first-year full-time graduate students in column (I). Similarly, of the total in column (J), report the number of first-year part-time graduate students in column (K).

FIELDS OF SCIENCE

This form is being mailed to all institutions of higher education in the United States that confer the doctorate as the highest degree granted in the sciences and/or engineering. Please be sure that the completed form includes all graduate-level departments in your institution represented by the following fields:

ENGINEERING:
- Aeronautical
- Agricultural
- Architectural
- Biomedical
- Chemical
- Civil
- Electrical
- Engineering sciences
- Industrial
- Mechanical
- Metallurgical and materials
- Mining
- Nuclear
- Petroleum
- Other engineering

PHYSICAL SCIENCES:
- Astronomy
- Chemistry
- Physics
- Other physical sciences

ENVIRONMENTAL SCIENCES:
- Atmospheric sciences
- Geosciences
- Oceanography
- Other environmental sciences

MATHEMATICAL SCIENCES:
- Applied mathematics and computer sciences
- Mathematics
- Statistics

LIFE SCIENCES:
- Agricultural sciences
- Biological sciences
  - Anatomy
  - Biochemistry
  - Biology
  - Biometry and biostatistics
  - Biophysics
  - Botany
  - Cell biology
  - Ecology
  - Entomology and parasitology
  - Genetics
  - Microbiology
  - Nutrition
  - Pathology
  - Pharmacology
  - Physiology
  - Zoology
  - Other biosciences

HEALTH SCIENCES:
- Anesthesiology
- Cardiology
- Clinical medicine
- Clinical pharmacology
- Dental sciences
- Endocrinology
- Gastroenterology
- Hematology
- Neurology
- Nursing
- Obstetrics and gynecology
- Ophthalmology
- Otorhinolaryngology
- Pediatrics
- Pharmaceutical sciences
- Preventive medicine, community, and public health
- Psychiatry
- Pulmonary disease
- Radiology
- Speech pathology and audiology
- Surgery
- Veterinary sciences
- Other health related sciences

PSYCHOLOGY
- Clinical psychology
- Experimental psychology
- Human development
- Physiological psychology
- Social psychology
- Other psychology

SOCIAL SCIENCES:
- Agricultural economics
- Anthropology
- Economics (except agricultural)
- Geography
- History and philosophy of science
- Linguistics
- Political science
- Public administration
- Social work
- Sociology
- Urban planning
- Other social sciences

PLEASE EXCLUDE FROM YOUR RESPONSE ALL GRADUATE DEPARTMENTS IN THE FIELDS OF EDUCATION, LAW, HUMANITIES, MUSIC, THE ARTS, PHYSICAL EDUCATION, LIBRARY SCIENCE, AND ALL OTHER NONSCIENCE FIELDS.

(See also other side.)

TABLE IV-1
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978

SUMMARY OF RESPONSES FROM
ALL DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES				NON-FEDERAL SOURCES						
		DHEW										
		NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST YEAR FULL TIME	TOTAL PART TIME	FIRST YEAR PART TIME
8,242	ALL AREAS OF SCIENCE	10,983	10,824	9,024	20,542	80,123	19,259	66,833	217,588	74,696	94,394	32,023
1,020	ENGINEERING	544	516	2,342	7,223	10,496	5,322	10,686	37,129	14,601	29,074	10,741
519	PHYSICAL SCIENCES	1,278	130	2,803	2,801	11,814	1,346	1,479	21,651	5,776	3,386	1,003
286	ENVIRONMENTAL SCIENCES	31	202	1,250	1,628	3,445	848	2,320	9,724	3,110	2,145	476
413	MATHEMATICAL SCIENCES	114	41	531	621	7,987	819	3,593	13,706	4,828	7,927	3,136
4,508	LIFE SCIENCES	7,586	6,201	1,368	4,504	21,504	5,717	18,217	65,097	22,619	20,174	6,982
314	PSYCHOLOGY	1,081	1,841	222	799	7,425	1,574	7,735	20,677	5,529	7,243	1,543
1,182	SOCIAL SCIENCES	349	1,893	508	2,966	17,452	3,633	22,803	49,604	18,233	24,445	8,142

TABLE IV-2
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978

SUMMARY OF RESPONSES FROM
ALL DOCTORATE-LEVEL DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES				NON-FEDERAL SOURCES						
		DHEW										
		NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST YEAR FULL TIME	TOTAL PART TIME	FIRST YEAR PART TIME
6,431	ALL AREAS OF SCIENCE	10,750	7,148	8,856	18,159	69,965	17,379	51,381	183,638	58,326	62,225	18,059
763	ENGINEERING	530	471	2,304	6,671	9,456	5,022	9,270	33,724	12,995	20,581	7,012
399	PHYSICAL SCIENCES	1,266	128	2,791	2,783	11,127	1,317	1,324	20,736	5,370	2,534	624
210	ENVIRONMENTAL SCIENCES	31	189	1,207	1,527	2,746	729	1,921	8,350	2,455	1,555	285
276	MATHEMATICAL SCIENCES	112	41	517	515	7,027	695	2,536	11,443	3,720	5,100	1,865
3,836	LIFE SCIENCES	7,410	3,366	1,336	3,755	18,682	4,973	12,913	52,435	16,519	11,902	3,427
238	PSYCHOLOGY	1,073	1,773	214	767	6,752	1,521	6,903	19,003	4,682	6,170	1,084
709	SOCIAL SCIENCES	328	1,180	487	2,141	14,175	3,122	16,514	37,947	12,585	14,383	3,762

TABLE IV-3
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978

SUMMARY OF RESPONSES FROM
ALL MASTER'S-LEVEL DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES				NON-FEDERAL SOURCES		SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST YEAR FULL TIME	TOTAL PART TIME	FIRST YEAR PART TIME
		DHEW		NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT					
		NIH	OTHER DHEW									
1,811	ALL AREAS OF SCIENCE	233	3,676	168	2,383	10,198	1,880	15,452	33,950	16,370	32,169	13,964
257	ENGINEERING	14	45	38	552	1,040	300	1,416	3,405	1,606	8,493	3,729
120	PHYSICAL SCIENCES	12	2	12	18	687	29	155	915	406	852	379
76	ENVIRONMENTAL SCIENCES	0	13	43	101	699	119	399	1,374	655	590	191
137	MATHEMATICAL SCIENCES	2	0	14	106	960	124	1,057	2,263	1,108	2,827	1,271
672	LIFE SCIENCES	176	2,835	32	749	2,822	744	5,304	12,662	6,100	8,272	3,555
76	PSYCHOLOGY	8	68	8	32	673	53	832	1,674	847	1,073	459
473	SOCIAL SCIENCES	21	713	21	825	3,277	511	6,289	11,657	5,648	10,062	4,380

TABLE IV-4
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978

SUMMARY OF RESPONSES FROM
ALL PUBLIC DOCTORATE-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES				NON-FEDERAL SOURCES		SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST YEAR FULL TIME	TOTAL PART TIME	FIRST YEAR PART TIME
		DHEW		NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT					
		NIH	OTHER DHEW									
5,619	ALL AREAS OF SCIENCE	6,686	7,850	5,599	15,244	61,145	13,049	47,304	156,877	53,874	55,680	18,027
731	ENGINEERING	263	400	1,375	5,000	7,591	3,117	7,654	25,400	9,896	14,007	4,625
345	PHYSICAL SCIENCES	769	108	1,720	1,857	8,737	861	1,153	15,205	4,081	2,039	520
217	ENVIRONMENTAL SCIENCES	29	173	861	1,259	2,824	642	1,885	7,673	2,499	1,775	315
283	MATHEMATICAL SCIENCES	93	31	240	399	6,323	435	3,074	10,595	3,747	4,881	1,819
3,023	LIFE SCIENCES	4,723	4,463	1,002	4,007	17,707	4,740	14,498	51,140	17,608	14,034	4,621
196	PSYCHOLOGY	615	1,243	137	558	5,429	1,145	3,872	12,999	3,422	3,313	648
824	SOCIAL SCIENCES	196	1,432	264	2,164	12,534	2,109	15,168	33,865	12,621	15,631	5,479

TABLE IV-5
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978

SUMMARY OF RESPONSES FROM
ALL PRIVATE DOCTORATE-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES				NON-FEDERAL SOURCES		SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST YEAR FULL TIME	TOTAL PART TIME	FIRST YEAR PART TIME
		DHEW		NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT					
		NIH	OTHER DHEW									
2,623	ALL AREAS OF SCIENCE	4,297	2,974	3,425	5,298	18,978	8,210	19,529	60,711	20,822	38,714	13,996
289	ENGINEERING	281	116	967	2,223	2,909	2,205	3,032	11,729	4,705	15,067	6,116
174	PHYSICAL SCIENCES	509	22	1,083	944	3,077	485	326	6,446	1,695	1,347	483
69	ENVIRONMENTAL SCIENCES	2	29	389	369	621	206	435	2,051	611	370	161
130	MATHEMATICAL SCIENCES	21	10	291	222	1,664	384	519	3,111	1,081	3,046	1,317
1,485	LIFE SCIENCES	2,863	1,738	366	497	3,797	977	3,719	13,957	5,011	6,140	2,361
118	PSYCHOLOGY	466	598	85	241	1,996	429	3,863	7,678	2,107	3,930	895
358	SOCIAL SCIENCES	155	461	244	802	4,918	1,524	7,635	15,739	5,612	8,814	2,663

TABLE IV-6
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978

SUMMARY OF RESPONSES FROM
ALL GRADUATE SCHOOLS AT DOCTORATE-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES				NON-FEDERAL SOURCES		SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST YEAR FULL TIME	TOTAL PART TIME	FIRST YEAR PART TIME
		DHEW		NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT					
		NIH	OTHER DHEW									
5,168	ALL AREAS OF SCIENCE	7,182	9,190	8,825	19,995	76,088	18,215	62,634	202,129	69,582	91,056	30,748
1,008	ENGINEERING	516	510	2,342	7,222	10,471	5,320	10,637	37,018	14,567	29,049	10,737
519	PHYSICAL SCIENCES	1,278	130	2,803	2,801	11,814	1,346	1,479	21,651	5,776	3,386	1,003
284	ENVIRONMENTAL SCIENCES	31	164	1,250	1,621	3,440	843	2,270	9,619	3,068	2,115	470
409	MATHEMATICAL SCIENCES	101	39	531	620	7,979	818	3,590	13,678	4,820	7,921	3,136
1,473	LIFE SCIENCES	3,852	4,660	1,171	3,966	17,544	4,692	14,347	50,232	17,702	16,901	5,717
302	PSYCHOLOGY	1,058	1,809	221	799	7,397	1,563	7,537	20,384	5,425	7,240	1,543
1,173	SOCIAL SCIENCES	346	1,878	507	2,966	17,443	3,633	22,774	49,547	18,224	24,444	8,142

TABLE IV-7
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978

SUMMARY OF RESPONSES FROM
ALL MEDICAL SCHOOLS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES				NON-FEDERAL SOURCES						
		DHEW										
		NIH	OTHER DHEW	NSF	OTHER FEDERAL	INSTITUTIONAL SUPPORT	ALL OTHER OUTSIDE SUPPORT	SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST YEAR FULL TIME	TOTAL PART TIME	FIRST YEAR PART TIME
3,074	ALL AREAS OF SCIENCE	3,801	1,634	199	547	4,035	1,044	4,199	15,459	5,114	3,338	1,275
12	ENGINEERING	28	6	0	1	25	2	49	111	34	25	4
0	PHYSICAL SCIENCES	0	0	0	0	0	0	0	0	0	0	0
2	ENVIRONMENTAL SCIENCES	0	38	0	7	5	5	50	105	42	30	6
4	MATHEMATICAL SCIENCES	13	2	0	1	8	1	3	28	8	6	0
3,035	LIFE SCIENCES	3,734	1,541	197	538	3,960	1,025	3,870	14,865	4,917	3,273	1,265
12	PSYCHOLOGY	23	32	1	0	28	11	198	293	104	3	0
9	SOCIAL SCIENCES	3	15	1	0	9	0	29	57	9	1	0